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GARY R. HERBERT
Governor
SPENCER J. COX
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
Division of Water Rights

MICHAEL R. STYLER
Executive Director

KENT L. JONES
State Engineer/Division Director

January 2, 2018

NOTICE TO THE LITTLE BEAR RIVER DISTRIBUTION SYSTEM WATER USERS

In compliance with Section 73-5-1 Utah Code Annotated, 1953 as amended and R655-15-12 of the Administrative Rules for Distribution Systems and Water Commissioners, a meeting of the water users with representatives of the State Engineer will be held to prepare for the coming water distribution season.

The meeting will be held at 3:00 PM on Tuesday, January 23, 2018

The meeting will be held at: **Hyrum City**
Civic Center
83 West Main St.
Hyrum, UT

The meeting agenda will include the following items:

1. Hearing the 2017 Minutes
2. Hearing the 2017 Commissioner's Report
3. Reviewing any concerns or comments related to the commissioner's work for 2017
4. Report from the Division of Water Rights
5. Hearing the 2017 Financial Report
6. Reviewing delinquent assessment accounts
7. Preparing a budget of salaries and other necessary expenses
8. Setting the distribution system assessment
9. Selecting new distribution system chairman and committee members if necessary
10. Other business

Sincerely,

Jared Manning, P.E.
Assistant State Engineer for Field Services

1594 West North Temple, Suite 220, PO Box 146300, Salt Lake City, UT 84114-6300
telephone (801) 538-7240 • facsimile (801) 538-7467 • *www.waterrights.utah.gov*

UTAH DNR WATER RIGHTS

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LITTLE BEAR RIVER
January 24, 2017

NAME	REPRESENTING	MAILING ADDRESS	PHONE #
1. Ben Anderson	UT Div. of Water Rights	1594 W North Temple SLC	801 538-7469
2. Jared Manning	"	"	801-538-7380
3. CLINT HANSEN	"	1770 RESEARCH PKWY #111 NORTH LOGAN	435-770-1953
4. JASON SUMMERS	PRIME RANCH, LLC	1047 S. 100 W STE 240, LOGAN	435-753-6533
5. Greg Richman	Paradise Irr	7035. S Hwy 165 Hyrum	435-245-6884
6. KIRT LINDLEY	South Cache	6700 S 1800 W Hyrum	435-512-6658
7. Tom Bailey	"	147 W 300 S Wellsville	435 764-5544
8. GREG HANSEN	HANSEN & ASSOC INC.	538 N MAIN BRIGHAM	435-752-8272
9. JON G. Lee	Paradise Irr.	P.O. Box 138 Paradise	435-760-6825
10. Paul James	Hyrum Irr.	685 Ridgecrest Cir. Hyrum	435-770-9904
11. Jared Clawson	Hyrum Irrigation	475 South 800 East Hyrum	(435)764-353
12. Jim DeRito	Trout Unlimited	44 W. Spring Creek Pkwy Providence	208-360-6165
13. Will Atkin	Water Rights		752-8755
14. ZAN SUMMERS	SUMMERS RANCH AVON	6 EAST MAIN HYRUM	760-2200
15. AARON Hunt	Water Rights		
16. Chad Brown	Franson Civil Engineers		801-756-0309
17. Carl Mackley	Water Rights - Logan		435-752-8755
18.			
19.			
20.			

State Engineer - Division of Water Rights
1594 North West Temple, Suite 220
Salt Lake City, Utah 84116

Gentlemen:

Transmitted herewith is the 2017 Water Commissioners Report on the Little Bear River Distribution System.

2017 was one of the two highest water years that we have had the opportunity to record, ever. The quantity of water that came through the Little Bear System was not only amazing but it was also very dangerous. The B.O.R. ordered a “Level 1” emergency discharge of Hyrum Reservoir on February 17, 2017. Meanwhile, people in Logan City are asked to not flush or shower as the sewer system capacity was at maximum.

Fortunately, we still have some water in the reservoirs from last year. The Snotel report, as of last week, had the snowpack and precipitation around 80% of normal. With that forecast we need to be prepared for a hard summer.

Below is a list of the gauging stations that require attention:

1- The South Fork of the Little Bear needs the telemetry system installed, we approved the funding for it last year. This is a DNR task that needs to be completed this spring.

2- I have determined a location to install a measuring device on the davenport. The location will require both a stilling well and a telemetry system. I would be hopeful that we could get the stilling well installed this year and the telemetry next year. We need to discuss how to budget for it, in a moment.

3- Porcupine Reservoir Irrigation Company will be required to install an accurate reservoir elevation measuring device. The purpose is to establish a new methodology for calculating in-flow, the discharge, and the seasonal runoff. The new methodology will allow for more stream right and allow for us to abandon the four existing measuring stations. They will have up to 3 years to complete the installation. There are options that needed to be discussed with this.

4- Wellsville/Eastfield will be required to repair the display on the current telemetry system. This needs to be fixed for calibration purposes.

5- The door to the Porcupine Reservoir Control Building is broken. The hinges and door knob need to be completed replaced.

6- The Wellsville/Mendon Canal gauging station was relocated and now it has a bad curve table for the flow. It approximately shows 8-10 cfs more than is actually flowing.

Below is the web site for access to the states real time flow recordings:
https://www.waterrights.utah.gov/cgi-bin/dvrtview.exe?Modinfo=Collection_Sysview&SYSTEM_NAME=Little+Bear+River

I appreciate working with the members of the Little Bear River Distribution System Respectfully,
Clinton G. Hansen P.L.S.
Little Bear River Water Commissioner
clint@advancedlsi.com

GARY R. HERBERT
Governor
SPENCER J. COX
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State of Utah
DEPARTMENT OF NATURAL RESOURCES
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LITTLE BEAR RIVER DISTRIBUTION SYSTEM TRUST FUND
2017 Fund Balance

A. BEGINNING BALANCE	January 1, 2017		$2,963.28
B. RECEIPTS			
1. Assessments:		$8,491.79	
2. Delinquent Penalties:		4.00	
3. Previous Assessments & Penalties:		1,178.22	
4. Transfers & Adjustments:		0.00	
5. Annual Interest Earned:		82.53	
6. System Reimbursements:		0.00	
TOTAL RECEIPTS			9,756.54
C. EXPENDITURES			
1. Budgeted Expenditures:		8,326.18	
2. Unbudgeted Expenditures:		0.00	
3. Transfers & Adjustments:		0.00	
TOTAL EXPENDITURES			8,326.18
D. ENDING BALANCE	December 31, 2017		$4,393.64

SUBMITTED BY : Kent L. Jones, P.E. 1-10-18
Kent L. Jones, P.E.
State Engineer
DATE

PREPARED BY:
Tom Upton
Budget & Accounting Officer

1594 West North Temple, Suite 220, PO Box 146300, Salt Lake City, UT 84114-6300
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LITTLE BEAR RIVER DISTRIBUTION SYSTEM
2017 Budget Expenditures

Item No	Item Description	2017 Amount Budgeted	2017 Amount Expended	2017 Amount Reimbursed	2017 Item Balance
	Hansen, Clint				
1	Salary	5,720.00	5,720.00	0.00	0.00
2	Social Security	440.00	437.58	0.00	2.42
3	Insurance	155.00	45.76	0.00	109.24
4	Supplies & Equipment	1,750.00	1,698.84	0.00	51.16
5	State Engineer Assessment	424.00	424.00	0.00	0.00
	Totals :	8,489.00	8,326.18	0.00	162.82

LITTLE BEAR RIVER DISTRIBUTION SYSTEM
2017 Total Assessment Amount : $7,500.00

LITTLE BEAR RIVER DISTRIBUTION SYSTEM
2018 Proposed Budget Worksheet

Item No	Item Description	2017 Amount Budgeted	2017 Item Balance	2018 Proposed Budget
	Hansen, Clint			
1	Salary	5,720.00	0.00	
2	Social Security	440.00	2.42	
3	Insurance	155.00	109.24	
4	Supplies & Equipment	1,750.00	51.16	
5	State Engineer Assessment	424.00	0.00	
	Totals :	8,489.00	162.82	

Account Number	Billing Entity Billing Contact	Amount Due
100828	RICHMAN DAIRY GREG OR ANN RICHMAN	22.00
100831	SUMMERS RANCH LLC C/O ZAN SUMMERS	22.00
100836	MAJOR, DALE	22.00
	Total Amount Due :	66.00

LITTLE BEAR RIVER DISTRIBUTION SYSTEM
WATER COMMISIONER'S REPORT FOR ASSESSMENT OF WATER
DILEVERED TO EACH LISTED USER
2017

S/E Acct. No.	USER		ACRE-FEET USED	
1.	Wellsville East Field Irrigation Company		5870.9	(1)
2.	Hyrum Irrigation Company		3731.5	(1)
3.	South Cache Water Users Associations		10370	(1)
4.	Paradise Irrigation and Reservoir Co.		4052.1	(1)
5.	ADVERSE USERS AND UPPER USERS (HYRUM CANAL)		577.2	(4)
	Blake L. Nyquist	11.5		(4)
	Richman Dairy	4.9		(4)
	Steven & Julianne Wright	1.6		(4)
	Four Mile Ranch, Inc.	82.5		(4)
	Summers Ranch LLC	72.0		(4)
	Prime Ranch LLC	72.0		(4)
	Cole Evans	36.4		(4)
	James Knowles	94.1		(4)
	Roger Pulsipher	19.1		(4)
6.	LOFTHOUSE DITCH		152.6	
	Dale Major	30.5		(2)
	Lee K. Nelson	63.2		(2)
	Hyrum City	40.9		(2)
	Poplar Holdings LLC	18.0		(2)
7. Rusty Lofthouse			27.9	(2)
8. Trout of Paradise (Whites)			232.7	(2)
9. PULSIPHER, NUHN AND FREDRICKSON DITCH			144.7	(2)
	Roger Pulsipher	52.8		(2)
	"R" Mountain Home LLC	45.2		(2)
	Newell Fredrickson	46.7		(2)
10. LEE BICKMORE DITCH			150.1	(2)
	Wayne & Leeanne Rudd	52.6		(2)
	Eugenia D. Lee	52.6		(2)
11. WILLIAM A. OBRAY DITCH			134.8	(2)
	Connie S. Nielsen	39.6		(2)
	Kirk Petersen	34.5		(2)
	Camille Erickson	60.7		(2)

Acct. No.	USER		ACRE-FEET USED	
12.	CARROLL H. MILLER RIGHT		76.9	(2)
	Bear Properties Inc.	38.5		
	Bear Properties Inc.	38.5		
13.	OBRAY SPRING STREAM DITCH		56.5	(2)
	Kirk Petersen	25.6		(2)
	Connie S. Nielsen	8.8		(2)
	Cody Dobson	22.1		(2)
14.	NICHOLS DITCH		42.7	(2)
	Middle Mountain Resort LLC	42.7		(2)
	Glen Keller	(Adverse User's Schedule)		
15.	SUMMERS, NUHN AND WEBB DITCH			
	Noel Bess	Assessed Under		
	Henry A. Summers	Acct. No. 5		
	Jess B. Cook			
16.	NOEL BESS		No Ditch	
17.	PORCUPINE RESERVOIR CO. (Highline Canal)		5124.4	(1)
18.	JACKSON DITCH (Highline Canal)		966.3	(2)
	Doran Baker	151.7		(2)
	Nelson Family Trust	265.2		(2)
	Kent Orton	53.4		(2)
	Edward R. Summers	118.7		(2)
	Rod Cushman	312.4		(2)
	Cole Evans	19.3		(2)
	James R. Knowles	45.6		(2)
19.	COLE EVANS (Unable to obtain flow at present)			
20.	James W. Knowles		No Ditch	
21.	Theodore Edwards		No Ditch	
22.	DARLEY DITCH		87	(2)
	A- Roy Hugie	21.75		
	B- Dennis K. Mcbride	21.75		
	C- Jaycee Carroll	7.25		
	D- L. Darley	21.75		
	E- Jaycee, Carroll & Baylee	7.25		
	F- Jaycee Carroll	7.25		

Codes:
(1) Ditch Measured
(2) Flow is an estimate based on water user’s certificate
(3) Flow is an estimate -- gauge is broken or there is no gauge
(4) Flow is based on Adverse Water User's Schedule

DISTRIBUTION OF SOUTH FORK AND DAVENPORT TRIBUTARIES OF THE LITTLE BEAR RIVER (In c.f.s.)

Total Flow	Hyrum Project	1	2	3	6	8	9	13	14	14-C	16
	3.1%*	78%*	7.8%*		3.3%*						7.8%
38.45	1.2	30.0	3.0		1.25						3.0
38.67	1.2	30.0	3.0		1.25					0.22	3.0
39.0	1.2	30.0	3.33		1.25					0.22	3.0
40	1.2	30.0	4.33		1.25					0.22	3.0
41	1.2	30.0	5.33		1.25					0.22	3.0
42	1.2	30.0	6.33		1.25					0.22	3.0
43	1.2	30.0	7.33		1.25					0.22	3.0
44	1.2	30.0	8.33		1.25					0.22	3.0
45	1.2	30.0	9.33		1.25					0.22	3.0
46	1.2	30.0	10.33		1.25					0.22	3.0
47	1.2	30.0	11.33		1.25					0.22	3.0
46	1.2	30.0	12.33		1.25					0.22	3.0
49	1.2	30.0	13.33		1.25					0.22	3.0
50	1.2	30.0	14.33		1.25					0.22	3.0
51	1.2	30.0	15.33		1.25					0.22	3.0
52	1.2	30.0	16.33		1.25					0.22	3.0
53	1.2	30.0	17.33		1.25					0.22	3.0
54	1.2	30.0	18.33		1.25					0.22	3.0
55	1.2	30.0	19.33		1.25					0.22	3.0
56	1.2	30.0	20.33		1.25					0.22	3.0
57	1.2	30.0	21.33		1.25					0.22	3.0
58	1.2	30.0	22.33		1.25					0.22	3.0
59	1.2	30.0	23.33		1.25					0.22	3.0
60	1.2	30.0	24.33		1.25					0.22	3.0
61	1.2	30.0	25.33		1.25					0.22	3.0
62	1.2	30.0	26.33		1.25					0.22	3.0
63	1.2	30.0	27.33		1.25					0.22	3.0
64	1.2	30.0	28.33		1.25					0.22	3.0
65	1.2	30.0	29.33		1.25					0.22	3.0
66	1.2	30.0	30.33		1.25					0.22	3.0
67	1.2	30.0	31.33		1.25					0.22	3.0
68	1.2	30.0	32.33		1.25					0.22	3.0
68.67	1.2	30.0	33.0		1.25	0	0			0.22	3.0
69	1.2	30.0	33.0		1.25	0.24	0.09			0.22	3.0
70	1.2	30.0	33.0		1.25	0.97	0.36			0.22	3.0
71	1.2	30.0	33.0		1.25	1.70	0.63			0.22	3.0
72	1.2	30.0	33.0		1.25	2.43	0.90			0.22	3.0
73	1.2	30.0	33.0		1.25	3.16	1.17			0.22	3.0

Total Flow	Hyrum Project	1	2	3	6	8	9	13	14	14-C	16

Total Flow	**Hyrum Project**	**1**	**2**	**3**	**6**	**8**	**9**	**13**	**14**	**14-C**	**16**
74	1.2	30.0	33.0		1.25	3.89	1.44			0.22	3.0
74.17	1.2	30.0	33.0		1.25	4.0	1.5			0.22	3.0
75.17	2.2	30.0	33.0		1.25	4.0	1.5		0	0.22	3.0
76.17	3.2	30.0	33.0		1.25	4.0	1.5		0	0.22	3.0
77.17	3.2	30.0	33.0		1.25	4.0	1.5		2.0	0.22	3.0
78.17	3.2	30.0	33.0		1.25	4.0	1.5		2.0	0.22	3.0
79	3.2	30.40	33.40		1.28	4.0	1.5		2.0	0.22	3.0
80	3.2	30.88	33.88		1.32	4.0	1.5		2.0	0.22	3.0
81	3.2	31.36	34.36		1.36	4.0	1.5		2.0	0.22	3.0
82	3.2	31.84	34.84		1.40	4.0	1.5		2.0	0.22	3.0
83	3.2	32.32	35.32		1.44	4.0	1.5		2.0	0.22	3.0
84	3.2	32.80	35.80		1.48	4.0	1.5		2.0	0.22	3.0
85	3.2	33.28	36.28		1.52	4.0	1.5		2.0	0.22	3.0
86	3.2	33.76	36.76		1.56	4.0	1.5		2.0	0.22	3.0
87	3.2	34.24	37.24		1.60	4.0	1.5		2.0	0.22	3.0
88	3.2	34.72	37.72		1.64	4.0	1.5		2.0	0.22	3.0
89	3.2	35.20	38.20		1.68	4.0	1.5		2.0	0.22	3.0
90	3.2	35.68	38.68		1.72	4.0	1.5		2.0	0.22	3.0
91	3.2	36.16	39.16		1.76	4.0	1.5		2.0	0.22	3.0
92	3.2	36.64	39.64		1.80	4.0	1.5		2.0	0.22	3.0
93	3.2	37.12	40.12		1.84	4.0	1.5		2.0	0.22	3.0
94	3.2	37.60	40.60		1.88	4.0	1.5		2.0	0.22	3.0
95	3.2	38.08	41.08		1.92	4.0	1.5		2.0	0.22	3.0
96	3.2	38.56	41.56		1.96	4.0	1.5		2.0	0.22	3.0
97	3.2	39.04	42.04		2.00	4.0	1.5		2.0	0.22	3.0
98	3.2	39.52	42.52		2.04	4.0	1.5		2.0	0.22	3.0
99	3.2	40.00	43.00		2.08	4.0	1.5		2.0	0.22	3.0
100	3.2	40.48	43.43		2.12	4.0	1.5		2.0	0.22	3.0
101	3.2	40.96	43.96		2.16	4.0	1.5		2.0	0.22	3.0
102	3.2	41.44	44.44		2.20	4.0	1.5		2.0	0.22	3.0
103	3.2	41.92	44.92		2.24	4.0	1.5		2.0	0.22	3.0
104	3.2	42.40	45.40		2.28	4.0	1.5		2.0	0.22	3.0
105	3.2	42.88	45.88		2.32	4.0	1.5		2.0	0.22	3.0
106	3.2	43.36	46.36		2.36	4.0	1.5		2.0	0.22	3.0
107	3.2	43.84	46.84		2.40	4.0	1.5		2.0	0.22	3.0
108	3.2	44.32	47.32		2.44	4.0	1.5		2.0	0.22	3.0
109	3.2	44.80	47.80		2.48	4.0	1.5		2.0	0.22	3.0
109.42	3.2	45.00	48.00		2.50	4.0	1.5	0	2.0	0.22	3.0
109.75	3.2	45.00	48.00		2.50	4.0	1.5	0.33	2.0	0.22	3.0
110	3.2	45.00	48.23		2.50	4.0	1.5	0.33	2.0	0.24	3.0
111	3.2	45.00	49.17		2.50	4.0	1.5	0.33	2.0	0.30	3.0
112	3.2	45.00	50.11		2.50	4.0	1.5	0.33	2.0	0.36	3.0
113	3.2	45.00	51.05		2.50	4.0	1.5	0.33	2.0	0.42	3.0

Total Flow	**Hyrum Project**	**1**	**2**	**3**	**6**	**8**	**9**	**13**	**14**	**14-C**	**16**

Total Flow	**Hyrum Project**	**1**	**2**	**3**	**6**	**8**	**9**	**13**	**14**	**14-C**	**16**
114	3.2	45.00	51.98		2.50	4.0	1.5	0.33	2.0	0.49	3.0
115	3.2	45.00	52.92		2.50	4.0	1.5	0.33	2.0	0.55	3.0
116	3.2	45.00	53.86		2.50	4.0	1.5	0.33	2.0	0.61	3.0
117	3.2	45.00	54.80		2.50	4.0	1.5	0.33	2.0	0.67	3.0
118	3.2	45.00	55.73		2.50	4.0	1.5	0.33	2.0	0.74	3.0
119	3.2	45.00	56.67		2.50	4.0	1.5	0.33	2.0	0.80	3.0
120	3.2	45.00	57.61		2.50	4.0	1.5	0.33	2.0	0.86	3.0
121	3.2	45.00	58.55		2.50	4.0	1.5	0.33	2.0	0.92	3.0
122	3.2	45.00	59.48		2.50	4.0	1.5	0.33	2.0	0.99	3.0
123	3.2	45.00	60.42		2.50	4.0	1.5	0.33	2.0	1.05	3.0
124	3.2	45.00	61.36		2.50	4.0	1.5	0.33	2.0	1.11	3.0
125	3.2	45.00	62.30		2.50	4.0	1.5	0.33	2.0	1.17	3.0
125.75	3.2	45.00	63.00	0	2.50	4.0	1.5	0.33	2.0	1.22	3.0
130	3.2	45.00	63.00	4.25	2.50	4.0	1.5	0.33	2.0	1.22	3.0
135	3.2	45.00	63.00	9.25	2.50	4.0	1.5	0.33	2.0	1.22	3.0
140	3.2	45.00	63.00	14.25	2.50	4.0	1.5	0.33	2.0	1.22	3.0
145	3.2	45.00	63.00	19.25	2.50	4.0	1.5	0.33	2.0	1.22	3.0
150	3.2	45.00	63.00	24.25	2.50	4.0	1.5	0.33	2.0	1.22	3.0
160	3.2	45.00	63.00	34.25	2.50	4.0	1.5	0.33	2.0	1.22	3.0
170	3.2	45.00	63.00	44.25	2.50	4.0	1.5	0.33	2.0	1.22	3.0
180	3.2	45.00	63.00	54.25	2.50	4.0	1.5	0.33	2.0	1.22	3.0
190	3.2	45.00	63.00	64.25	2.50	4.0	1.5	0.33	2.0	1.22	3.0
200	3.2	45.00	63.00	74.25	2.50	4.0	1.5	0.33	2.0	1.22	3.0
209.38	3.2	45.00	63.00	85.00	2.50	4.0	1.5	0.33	2.0	1.22	3.0

NOTE: Account No. 5 and 15 are adverse users and are part of the Hyrum Canal Flow (Account No. 2)

Account No.

1 East Field
2 Hyrum
3 South Cache Water Users
6 Lofthouse
8 Trout of Paradise
9 Pulsipher, Nuhn, and Fredrickson
13 Obray Spring Stream
14 Nichols
14 C Glen Keller
16 Noel Bess

Account Nos. 4, 7, 11, 12 & 13 are not in this schedule for the following reasons:

4, 17, 18, 19, 20 & 21; are Included in Distribution of East Fork

5 & 15; Adverse Users - Part of Hyrum Canal Flow.

7; Not a direct diversion from Little Bear - Lofthouse Pasture Spring; priority of April 1, 1880, therefore would have a right of use until stream flow is less than 108.05 cfs.

10; Not a direct diversion from Little Bear - Hall Slough; priority of 1860, therefore would have right of use until stream flow is less than 38.45 cfs.

11; Not a direct diversion from Little Bear - T. K. Obray Spring Stream – Diligence priority April 1, 1860, therefore would have a right of use until stream flow is less than 38.45 cfs.

12; Not a direct diversion from Little Bear - Hall Spring No. 3 - Priority May 1, 1867, therefore would have right of use until stream flow is less than 75.17 cfs. Spring flow difficult to transfer to Little Bear River without excessive loss, therefore assume most of flow is returned to Little Bear until water shortage becomes critical.

22 Darley Ditch - Springs below Hyrum Dam –

- These figures are the percent of the total stream flow, when the flow is below 38.45 cfs that each account is entitled to.

DISTRIBUTION OF EAST FORK
(CHART TO BE USED 1 APRIL TO 1 JULY)

Total	Account #'s					
Flow	**4**	**17**	**18**	**19**	**20**	**21**
65.33+	60		3.92	0.41	0.50	0.50
65	60		3.92	0.41	0.50	0.17
64.63	60		3.92	0.41	0.50	0.00
63	59		3.92	0.41	0.50	
62	58		3.92	0.41	0.50	
61	57		3.92	0.41	0.50	
60	56		3.92	0.41	0.50	
59	55		3.92	0.41	0.50	
58	54		3.92	0.41	0.50	
57	53		3.92	0.41	0.50	
56	52		3.92	0.41	0.50	
55	51		3.92	0.41	0.50	
54.83	50		3.92	0.41	0.50	
54.0	50		3.92	0.08	0.00	
53.92	50		3.92	0.06		
53	50		2.94	0.06		
52	50		1.96	0.04		
51	50		0.98	0.02		
50	50		0.00	0.00		
49	49					

• Below 50 cfs, stream rights belong to Paradise Irrigation & Reservoir Company.
Total Flow = East Fork + Big Spring + Porcupine Creek + Pole Creek + Olsen #1 and Olsen #2.

DISTRIBUTION OF EAST FORK
(CHART TO BE USED 2 JULY TO 10 JULY)

Total Flow	4	18	19	20	21
55.33+	50	3.92	0.41	0.50	0.50
55	50	3.92	0.41	0.50	0.17
54.83	50	3.92	0.41	0.50	0.00
54	50	3.92	0.08	0.00	
53	50	2.94	0.06		
52	50	1.96	0.04		
51	50	0.98	0.02		
50	50	0.00	0.00		

(2) Below 50 cfs stream rights belong to Paradise Irrigation Reservoir Company.

DISTRIBUTION OF EAST FORK
(CHART TO BE USED 11 JULY TO 30 SEPTEMBER)

Total Flow	4	18	19	20	21
43.33+	38	3.92	0.41	0.50	0.50
43	38	3.92	0.41	0.50	0.17
42.83	38	3.92	0.41	0.50	0.00
42	38	3.92	0.08	0.00	
41	38	2.94	0.06		
40	38	1.96	0.04		
39	38	0.98	0.02		
38	38	0.00	0.00		

Account No.

4 Paradise Irrigation & Reservoir Co.
18 Highline Canal
19 Old Jackson Ditch
20 James Knowles
21 Theodore Edwards

YEARLY WATER SCHEDULE for ADVERSE & UPPER USERS

ROGER PULSIPHER 1.5 cfs - 7hr. 0 min.		BLAKE NYQUIST 2.0 cfs - 3 hr. 9 min.		TREVOR PULSIPHER 0.5 cfs - 1 hr. 48 min.		GREG RICHMAN 1.0 sec. Ft. - 2 hrs. 42 min.	
Begin 7:00 a.m.	End 1:15 p.m.	Begin 6:00 p.m.	End 8:24 p.m.	Begin 8:00 a.m.	End 9:20 a.m.	Begin 1:00 p.m.	End 11:30 p.m.
May 4	May 4	May 4	May 4	May 4	May 4	May 4	May 4
May 11	May 11	May 11	May 11	May 11	May 11	May 11	May 11
May 18	May 18	May 18	May 18	May 18	May 18	May 18	May 18
May 25	May 25	May 25	May 25	May 25	May 25	May 25	May 25
June 1	June1	June 1	June 1	June 1	June 1	June 1	June 1
June 8	June 8	June 8	June 8	June 8	June 8	June 8	June 8
June 15	June 15	June 15	June 15	June 15	June 15	June 15	June 15
June 22	June 22	June 22	June 22	June 22	June 22	June 22	June 22
June 29	June 29	June 29	June 29	June 29	June 29	June 29	June 29
July 6	July 6	July 6	July 6	July 6	July 6	July 6	July 6
July 13	July 13	July 13	July 13	July 13	July 13	July 13	July 13
July 20	July 20	July 20	July 20	July 20	July 20	July 20	July 20
July 27	July 27	July 27	July 27	July 27	July 27	July 27	July 27
Aug 3	Aug 3	Aug 3	Aug 3	Aug 3	Aug 3	Aug 3	Aug 3
Aug 10	Aug 10	Aug 10	Aug 10	Aug 10	Aug 10	Aug 10	Aug 10
Aug 17	Aug 17	Aug 17	Aug 17	Aug 17	Aug 17	Aug 17	Aug 17
Aug 24	Aug 24	Aug 24	Aug 24	Aug 24	Aug 24	Aug 24	Aug 24
Aug 31	Aug 31	Aug 31	Aug 31	Aug 31	Aug 31	Aug 31	Aug 31
Sept 7	Sept 7	Sept 7	Sept 7	Sept 7	Sept 7	Sept 7	Sept 7
Sept 14	Sept 14	Sept 14	Sept 14	Sept 14	Sept 14	Sept 14	Sept 14
Sept 21	Sept 21	Sept 21	Sept 21	Sept 21	Sept 21	Sept 21	Sept 21
Sept 28	Sept 28	Sept 28	Sept 28	Sept 28	Sept 28	Sept 28	Sept 28

YEARLY WATER SCHEDULE
for
ADVERSE & UPPER USERS

FOUR MILE RANCH 3.0 cfs - 3hr. 15 min.		SUMMERS, 77% J. DOUGLAS, 22.6% 3.0 cfs - 26hr. 24 min.		COLE EVANS 3.0 cfs - 13hr. 20 min.		J. KNOWLES 3.0 cfs - 34hr. 30 min.		NOEL BESS 3.0 cfs - 26hr. 24 min.	
Begin 7:00 a.m.	End 1:15 p.m.	Begin 6:00 p.m.	End 8:24 p.m.	Begin 8:00 a.m.	End 9:20 a.m.	Begin 1:00 p.m.	End 11:30 p.m.	Begin 4:00 a.m.	End 6:24 a.m.
May 1	May 2	May 2	May 3	May 7	May 7	May 8	May 9	May 10	May 11
May 15	May 16	May 16	May 17	May 21	May 21	May 22	May 23	May 24	May 25
May 29	May 30	May 30	May 31						
June 12	June 13	June 13	June 14	June 4	June 4	June 5	June 6	June 7	June 8
June 26	June 27	June 27	June 28	June 18	June 18	June 19	June 20	June 21	June 22
July 10	July 11	July 11	July 12	July 2	July 2	July 3	July 4	July 5	July 6
July 24	July 25	July 25	July 26	July 16	July 16	July 17	July 18	July 19	July 20
				July 30	July 30	July 31			
							Aug 1	Aug 2	Aug 3
Aug 7	Aug 8	Aug 8	Aug 9	Aug 13	Aug 13	Aug 14	Aug 15	Aug 16	Aug 17
Aug 21	Aug 22	Aug 22	Aug 23	Aug 27	Aug 27	Aug 28	Aug 29	Aug 30	Aug 31
Sept 4	Sept 5	Sept 5	Sept 6	Sept 10	Sept 10	Sept 11	Sept 12	Sept 13	Sept 14
C	Sept 19	Sept 19	Sept 20	Sept 24	Sept 24	Sept 25	Sept 26	Sept 27	Sept 28

LITTLE BEAR RIVER
WATER RIGHTS

Acct. No. Water User	W. U.C.	CFS of Right	Priority	Acre Ft.	Use Period
1. Wellsville East Field	I537	30.00	4-1-1860	7708.5	4/1 to 9/30
Irrigation Company	1733				
	1536	10.00	5-1-1860		10/1 to 10/10
	1735				
	1538	15.00	4-1-1878	989. 15	4/1 to 9/30
	1734				
2. Hyrum Irrigation Company	1719	03.00	4-1-1860	6378.82	4/1 to 9/30
Reduced from 15. 0 cfs	1720	30.00	5-1-1860		4/1 to 9/30
(Adverse users)	1721	13.63	5-1-1878		4/1 to 9/30
	1722	15.00	5-1-1890		4/1 to 7/1
	1723	10.00	5-1-1860		10/1 to 10/10
3. South Cache Water Users Association	1945	18,000 ac. ft.	10-20-28	18,000	
4. Paradise Irrigation & Reservoir Company	1551	38.00	4-1-1860	5534.41	4/1 to 9/30
	1552	12.00	4-1-1860		4/1 to 7/10
	1553	10.00	5-1-1890		4/1 to 7/10
	1554	10.00	5-1-1860		10/1 to 10/10
5. Adverse Users:					
5-A. Blake L. Nyquist,	266	Distribution	Adverse		
5-B. Greg Richman	265	according or	Use--		
5-C. Trevor Pulsipher	269	Adverse	Case		
5-D. Four Mile Ranch	263	Schedule	6404		
5-E. Summers Ranch LLC	259	0.22			
5-F. Prime Ranch, LLC	270				
5-G. Cole Evans					
5-H. James R. Knowles					
5-I Roger Pulispher					

Acct. No. Water User	W.U.C.	CFS of Right	Priority	Acre Ft.	Use Period
11. William A. Obray Ditch		1.418			
11-A. Connie S. Nielsen	2032	1/4 Int.	4-1-1860	39.60	4/1 to 9/30
11-B. Kirk Petersen	2099	1/4 Int.	4-1-1860	34.50	4/1 to 9/30
11-Lyle or Glenda Adams	2100	1/2 Int.	4-1-1860	60.66	4/1 to 9/30
12. Carroll H. Miller Right	1319	1.0	5-1-1867	76.92	4/1 to 9/30
12 -A. Bear Properties Inc.	1323	0.5	5-1-1667		
12-B. Bear Properties Inc.	1324	0.25	5-1-1867		
13. Obray Spring Stream		0.33	5-1-1887		
13-Kirk Petersen	1288	9/23 Int.	5-1-1887	25.62	4/1 to 9/30
13-B. Connie S. Nielsen	2016	7/23 Int.	5-1-1887	8.80	4/1 to 9/30
13-C. Coby Dobson	507	7/23 Int.	5-1-1887	22.08	4/1 to 9/30
14. Nichols Ditch					(1)
14- Middle Mountain Resort	599	2.0	5-1-1877	42.66	5/1 to 9/30
14-B. Evan Brown	600				
14-C. Glen Keller	264	1.0	5-1-1890	126.69	
	263	0.22	4-30-1860		(2)
15. Summer, Nuhn & Webb		3.0	1929	95.22	
15-A. Noel Bess	776	7/64 Int	1929	10.17	(3)
15-B. Henry A. Summers Jr.	261	46/64 "	1929	68.79	(3)
15-C. Jess B. Cook	262	11/64 "	1929	16.26	(3)
16. Noel Bess	824	3.0	1860	4.56	(4)
	825	Same flow	1860	11.43	(4)
17. (Porcupine Reservoir Co.)	1946	13,500 A.F.	10-20-1928	13,500 A.F.	

(1) Use period four consecutive days in each fourteen day period
(2) See Adverse Users
(3) See Adverse Users.
(4) See Adverse Users.

Acct. No. Water User	W. U.C.	CFS of Right	Priority	Acre Ft..	Use Period
6. Lofthouse Ditch					
6-A. Dale Major	45	1.25/3	4-1-1878	30.49	
6-A. Dale Major	1405	1.25/6	4-1-1860		4/1 to 9/30
6-A. Dale Major	1396	1.25/6	4-1-1878		4/1 to 9/30
6-C. Lee K. Nelson	92	1.25/6	4-1-1860	19.80	4/1 to 9/30
6-C. Lee K. Nelson	93	1.25/6	4-1-1878		4/1 to 9/30
6-C. Lee K. Nelson	1424	1.25/6	4-1-1860	43.41	4/1 to 9/30
6-C. Lee K. Nelson	1415	1.25/6	4-1-1878		
6-D. Hyrum City	15	1.25/6	4-1-1860	40.92	4/1 to 9/30
6-D. Hyrum City	16	1.25/6	4-1-1878		
6-E. Poplar Holdings LLC	44	1.25/3	4-1-1860	17.99	
7- Lyle Lofthouse	483	0.66	4-1-1860	27.93	4/1 to 9/30
8. Trout of Paradise	1359	2.0	5-1-1864	232.71	4/1 to 7/10
	1857	2.0	5-1-1864		7/11 to 9/30
	1357	1.5	4-1-1860		(Alt. Weeks)
	1351	10.0	10-23-34	0.0	Fish
	567	6.0	1-26-1939	0.0	Culture
9. Pulsipher, Nuhn & Fredrickson Ditch		Same flow intermittent		(1)	
		diversion		144.72	
9-A. Roger Pulsipher	723	1.5	S-1-1864	52.83	4/1 to 9/30
9-B."R" Mountain Home	871	1.5	S-1-1864	45.18	4/1 to 9/30
9-C. Newell Fredrickson	1231	1.5	S-1-1864	46.71	4/1 to 9/30
10. Lee Bickmore Ditch		3.5	1860		
10-Wayne & Leeann Rudd	277	1/2 Int.		52.55	4/2 to 9/30
10-B. Eugenia D. Lee	571	1/2 Int.		52 .55	4/1 to 9/30

(1) Ditch to have 0.5 cfs diversion from river as long as Hyrum Canal is 30 cfs or more plus 1.0 cfs exchange water purchased from Porcupine Reservoir.

STATE OF UTAH
OFFICE OF STATE ENGINEER

Daily Discharge in Second Feet for **WELLSVILLE EAST FIELD Acct. No. 1**
Below Hyrum Dam for Water Year 2017

DAY	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC
1					0.0	0.0	36.5	29.6	29.4			
2					0.0	0.0	36.6	33.9	29.4			
3					0.0	0.0	37.0	34.4	29.5			
4					0.0	0.0	37.1	35.0	29.5			
5					0.0	0.0	37.4	35.4	29.5			
6					0.0	0.0	38.0	36.2	29.7			
7					0.0	0.0	38.1	35.0	29.9			
8					0.0	0.0	37.9	33.0	30.0			
9					0.0	29.0	37.9	33.6	28.0			
10					0.0	0.0	35.7	34.2	25.5			
11					0.0	0.0	27.1	34.6	25.3			
12					0.0	32.5	27.8	39.2	26.5			
13					0.0	36.4	30.6	42.3	26.8			
14					0.0	37.1	30.5	42.7	12.9			
15					0.0	38.1	30.5	43.5	13.1			
16					0.0	29.3	30.5	44.1	13.1			
17					0.0	37.2	30.9	44.0	13.1			
18					0.0	36.9	30.6	25.6	13.2			
19					0.0	37.3	29.5	37.2	13.2			
20					0.0	37.8	29.5	40.9	13.5			
21					0.0	38.2	32.4	42.9	13.6			
22					0.0	38.3	39.0	45.1	13.8			
23					0.0	38.5	39.0	46.6	13.1			
24					0.0	38.7	39.2	48.5	12.7			
25					0.0	38.8	39.9	50.3	12.7			
26					0.0	39.1	36.8	44.1	12.7			
27					0.0	39.2	31.5	38.0	12.7			
28					0.0	29.0	31.6	31.8	7.6			
29					0.0	35.9	32.0	27.7	0.2			
30					0.0	36.2	32.1	29.4	0.0			
31					0.0		29.0	29.4				
Mean C.F.S					0.00	723.48	######	1168.03	560.31			
Total A.F.					0.0	1435.0	2086.7	2316.8	1111.4			
A.F. Charged					0.0	356.0	2086.7	2316.8	1111.4			

Total Flow 6949.9 Acre Feet
Total Charged 5870.9 Acre Feet

Hyrum Reservoir Stopped Overflowing on June 26
Porcupine Reservoir Stopped Overflowing on June 25

WATER USERS AND ASSESSMENT ACCOUNT NUMBERS

Account No. 1 (Wellsville East field)

DIVERSION LOCATION

MEASURING DEVICE LOCATION

Below the Hyrum Dam and north of Pump House

DESCRIPTION OF DIVERTING WORKS AND MEASURING DEVICE

8' Parshall Flume with DWR installed Telemetry System in 2010

STATUS OF DIVERTING WORKS AND MEASURING DEVICE

Parshall Flume does not Measure accurately when canal mosses up at the end of the irrigation season. Parshall Flume may records flows in error of 9.0% above actual flow. Figures to the left are adjusted accordingly.

STATE OF UTAH
OFFICE OF STATE ENGINEER

Daily Discharge in Second Feet for **HYRUM CANAL Acct. No. 2A**
above Hyrum Dam for Water Year 2017

DAY	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC
1					0.0	23.0	22.3	20.2	23.1			
2					0.0	22.6	18.8	20.1	22.9			
3					0.0	25.6	16.8	20.6	22.9			
4					0.0	22.9	16.8	22.0	23.1			
5					0.0	26.7	17.7	22.2	22.5			
6					0.6	26.4	33.5	22.2	20.9			
7					1.6	26.0	21.9	21.3	22.8			
8					2.3	25.4	21.9	15.1	23.0			
9					9.2	33.6	20.4	20.4	23.1			
10					21.6	33.6	19.8	24.7	21.7			
11					10.8	25.4	19.3	24.7	22.4			
12					10.7	25.3	24.8	24.7	22.8			
13					10.6	25.4	18.6	24.7	22.6			
14					10.5	25.1	18.1	24.6	19.0			
15					15.9	24.9	17.6	24.6	8.1			
16					21.9	27.0	17.5	24.1	8.0			
17					13.2	24.7	37.7	24.7	7.8			
18					3.2	26.8	17.1	24.7	7.7			
19					3.0	23.9	16.7	24.5	7.6			
20					29.0	23.2	16.4	24.5	7.4			
21					4.5	22.8	16.2	24.2	7.3			
22					16.2	22.9	16.3	24.2	7.2			
23					13.7	23.0	16.5	23.0	7.1			
24					13.4	23.1	16.5	23.3	7.0			
25					13.0	22.7	16.7	23.3	7.0			
26					15.0	22.7	16.4	23.4	7.0			
27					15.5	22.9	16.7	22.7	6.9			
28					15.3	31.8	31.6	23.3	6.9			
29					16.2	22.7	17.4	23.3	6.9			
30					22.3	22.3	20.0	23.1	6.7			
31					22.4		20.1	23.1				
Mean C.F.S.					331.32	754.45	618.11	711.43	429.26			
Total A.F.					657.2	1496.5	1226.0	1411.1	851.4			
A.F. Charged					0.0	242.9	1226.0	1411.1	851.4			

Total Flow 5642.20 Acre Feet
Total Charable Flow = 3731.5 Acre Feet
Less Hyrum City (Black Tube) Water = 0.0 Acre Feet
Total Charged 3731.5 Acre Feet

Hyrum Reservoir Stopped Overflowing on June 26
Porcupine Reservoir Stopped Overflowing on June 25

WATER USERS AND ASSESSMENT ACCOUNT NUMBERS

Account No. 2A (Hyrum Canal)

DIVERSION LOCATION

MEASURING DEVICE LOCATION

Avon, Utah

DESCRIPTION OF DIVERTING WORKS AND MEASURING DEVICE

4' Parshall Flume with DWR installed Telemetry System

STATUS OF DIVERTING WORKS AND MEASURING DEVICE

Parshall Flume does not Measure accurately when canal mosses up at the end of the irrigation season. Parshall Flume records flows in error of 16.0% above actual flow. Figures to the left are adjusted accordingly.

STATE OF UTAH
OFFICE OF STATE ENGINEER

Daily Discharge in Second Feet for **LITTLE FEEDER Acct. No. 2C**
above Hyrum Dam for Water Year 2017

DAY	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC
1					0.0	0.0	0.0	0.1	0.0			
2					0.0	0.0	0.1	0.2	0.0			
3					0.0	0.0	2.1	0.1	0.0			
4					0.0	0.0	5.0	4.9	1.8			
5					0.0	0.0	4.0	9.6	3.5			
6					0.0	0.0	5.0	9.6	0.0			
7					0.0	0.0	4.7	9.5	0.0			
8					0.0	0.0	5.0	8.9	1.4			
9					0.0	0.0	5.0	4.7	4.1			
10					0.0	0.0	4.9	3.7	4.2			
11					0.0	0.0	4.9	4.3	4.2			
12					0.0	0.0	4.9	4.1	4.2			
13					0.0	0.0	3.2	2.3	3.7			
14					0.0	0.0	0.0	0.0	4.2			
15					0.0	1.7	0.0	0.0	4.1			
16					0.0	6.3	0.0	0.0	3.5			
17					0.0	6.2	0.0	0.0	3.5			
18					0.0	6.2	1.1	0.0	0.0			
19					0.0	6.2	2.3	0.7	0.0			
20					0.0	6.2	0.9	2.6	0.0			
21					0.0	6.2	1.4	2.6	0.0			
22					0.0	6.0	3.5	3.1	0.0			
23					0.0	4.3	2.8	0.0	0.0			
24					0.0	0.1	0.0	0.0	0.0			
25					0.0	0.0	0.0	0.0	0.0			
26					0.0	0.0	0.1	0.0	0.0			
27					0.0	0.1	2.6	0.0	0.0			
28					0.0	6.9	3.0	0.0	0.0			
29					0.0	0.0	0.1	0.0	0.0			
30					0.0	0.0	0.1	0.0	0.0			
31					0.0		0.1	0.0				
Mean C.F.S					0.0	56.53	66.58	70.82	42.51			
Total A.F.					0.0	112.1	132.1	140.5	84.3			
A.F. Charged					0.0	13.9	132.1	140.5	84.3			

Total Flow 469.0 Acre Feet
Total Charged 370.8 Acre Feet

Hyrum Reservoir Stopped Overflowing on June 26
Porcupine Reservoir Stopped Overflowing on June 25

WATER USERS AND ASSESSMENT ACCOUNT NUMBERS

Account No. 2c (Little Feeder)

DIVERSION LOCATION

MEASURING DEVICE LOCATION

Below Hyrum Dam

DESCRIPTION OF DIVERTING WORKS AND MEASURING DEVICE

Water is Diverted at the head of the Pump House below the Hyrum Dam and is piped to the North, the flow meter located in the Hyrum Pump House does not work, a second flow meter which is located about 300' feet to the North of the Diversion Structure.

STATUS OF DIVERTING WORKS AND MEASURING DEVICE

Good

STATE OF UTAH
OFFICE OF STATE ENGINEER

Daily Discharge in Second Feet for **PUMP CANAL Acct. No. 3A**
below Hyrum Dam for Water Year 2017

DAY	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC
1					0.0	0.0	7.4	9.0	7.0			
2					0.0	0.0	7.5	9.0	6.7			
3					0.0	0.0	7.5	9.0	6.5			
4					0.0	0.0	7.5	9.0	6.4			
5					0.0	0.0	7.5	8.9	6.2			
6					0.0	5.1	17.2	8.9	6.0			
7					0.0	4.7	9.2	8.8	5.9			
8					0.0	4.7	9.2	8.9	5.9			
9					0.0	12.8	15.4	8.8	5.8			
10					0.0	4.8	8.8	8.8	5.5			
11					0.0	10.7	8.4	8.7	5.1			
12					0.0	6.4	13.6	8.6	5.1			
13					0.0	10.0	13.6	39.7	5.0			
14					0.0	6.6	8.9	39.7	4.8			
15					0.0	11.0	8.8	45.0	4.6			
16					0.0	16.4	8.8	47.7	2.6			
17					0.0	7.4	8.8	49.5	0.0			
18					0.0	17.3	9.8	49.4	0.0			
19					0.0	9.1	11.6	49.3	0.0			
20					0.0	9.2	11.6	8.7	0.0			
21					0.0	9.2	11.5	8.5	0.0			
22					0.0	9.1	10.4	8.3	0.0			
23					0.0	9.2	10.4	8.2	0.0			
24					0.0	9.2	10.3	8.2	0.0			
25					0.0	9.2	10.2	8.1	0.0			
26					0.0	9.2	13.5	7.9	0.0			
27					0.0	9.2	9.4	7.7	0.0			
28					0.0	8.5	13.5	7.6	0.0			
29					0.0	7.3	9.3	7.5	0.0			
30					0.0	7.3	9.2	7.4	0.0			
31					0.0		9.1	7.3				
Mean C.F.S					0.00	223.39	317.82	521.89	89.01			
Total A.F.					0.0	443.1	630.4	1035.2	176.6			
A.F. Charged					0.0	82.4	630.4	1035.2	176.6			

Total Flow 2285.2 Acre Feet
Total Charged 1924.5 Acre Feet

Hyrum Reservoir Stopped Overflowing on June 26
Porcupine Reservoir Stopped Overflowing on June 25

WATER USERS AND ASSESSMENT ACCOUNT NUMBERS

Account No. 3A (Pump Canal)

DIVERSION LOCATION

MEASURING DEVICE LOCATION

West of Pump House on upper bench in Concrete Canal.

DESCRIPTION OF DIVERTING WORKS AND MEASURING DEVICE

Electronic Flow Meter located in the Hyrum Dam Pump House does not work.
DWR installed Telemetry System in 2010 to the west of the Pump House.

STATUS OF DIVERTING WORKS AND MEASURING DEVICE

Good

STATE OF UTAH
OFFICE OF STATE ENGINEER

Daily Discharge in Second Feet for **WELLSVILLE MENDON CANAL Acct. No. 3B**
Below Hyrum Dam for Water Year 2017

DAY	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC
1					0.0	0.0	66.7	41.2	54.3			
2					0.0	0.0	66.7	41.3	54.5			
3					0.0	0.0	64.9	41.2	54.6			
4					0.0	0.0	62.5	40.8	56.9			
5					0.0	0.0	62.7	39.9	58.5			
6					0.0	0.0	62.1	39.7	54.2			
7					0.0	0.0	62.9	39.7	49.0			
8					0.0	0.0	62.4	45.0	37.9			
9					0.0	45.2	62.1	47.7	45.4			
10					0.0	0.0	61.7	49.5	45.8			
11					0.0	0.0	61.5	49.4	47.1			
12					0.0	61.4	53.0	49.3	48.1			
13					0.0	61.4	58.7	49.6	49.0			
14					0.0	61.0	54.3	50.3	43.7			
15					0.0	59.4	53.7	51.3	40.3			
16					0.0	52.2	53.4	51.8	41.7			
17					0.0	54.3	53.5	52.9	42.0			
18					0.0	59.4	53.8	54.1	40.9			
19					0.0	55.0	55.4	53.1	42.1			
20					0.0	59.5	57.0	49.6	42.4			
21					0.0	55.6	56.2	51.2	21.8			
22					37.2	53.8	52.4	51.3	0.0			
23					0.0	52.3	53.9	46.7	0.0			
24					0.0	52.3	56.0	51.0	0.0			
25					0.0	52.2	55.3	53.2	0.0			
26					0.0	52.3	57.8	55.2	0.0			
27					0.0	65.3	44.7	57.4	0.0			
28					0.0	55.6	39.0	57.6	0.0			
29					0.0	59.5	41.5	52.4	0.0			
30					0.0	66.4	41.3	53.1	0.0			
31					0.0		41.3	53.8				
Mean C.F.S					37.20	1133.96	1728.25	1520.30	970.01			
Total A.F.					73.8	2249.2	3428.0	3015.5	1924.0			
A.F. Charged					0.0	593.3	3428.0	3015.5	1924.0			

Total Flow 10690.5 Acre Feet
Total Charged 8960.8 Acre Feet

Hyrum Reservoir Stopped Overflowing on June 26
Porcupine Reservoir Stopped Overflowing on June 25

WATER USERS AND ASSESSMENT ACCOUNT NUMBERS

Account No. 3B (Wellsville Mendon Canal)

DIVERSION LOCATION

MEASURING DEVICE LOCATION

West of Pump House

DESCRIPTION OF DIVERTING WORKS AND MEASURING DEVICE

Electronic Flow Meter located in the Hyrum Dam Pump House does not work.
DWR installed Telemetry System in 2010 to the west of the Pump House.

STATUS OF DIVERTING WORKS AND MEASURING DEVICE

Good

STATE OF UTAH
OFFICE OF STATE ENGINEER

Daily Discharge in Second Feet for **PARADISE CANAL Acct. No. 4A**
at AVON, UTAH for Water Year 2017

DAY	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC
1					0.0	16.8	27.2	19.3	24.0			
2					0.0	16.6	26.7	20.6	24.6			
3					0.0	16.0	28.9	20.7	26.4			
4					0.0	15.7	23.5	20.8	25.8			
5					0.0	15.4	21.0	20.8	24.3			
6					0.0	17.1	25.8	21.5	22.7			
7					0.0	18.4	29.9	20.4	20.4			
8					0.7	19.3	30.3	15.0	20.2			
9					2.2	24.1	25.9	12.9	20.3			
10					2.1	23.2	30.6	15.6	20.3			
11					2.1	22.9	30.5	20.7	19.5			
12					2.1	22.8	19.9	27.9	17.5			
13					2.1	23.0	30.3	27.3	16.3			
14					2.1	22.3	30.5	27.6	12.6			
15					2.1	21.3	29.2	27.8	11.0			
16					2.1	20.0	26.4	27.2	8.4			
17					2.1	21.3	23.0	26.4	10.8			
18					2.1	19.9	24.0	22.6	11.5			
19					2.1	19.8	27.4	21.5	11.1			
20					2.1	18.1	21.4	20.6	10.8			
21					2.0	24.4	21.2	26.2	10.6			
22					2.0	23.3	21.1	24.8	8.1			
23					2.0	23.6	24.5	23.0	8.4			
24					4.7	24.4	26.1	22.8	8.3			
25					8.6	27.0	19.7	22.8	8.4			
26					7.6	26.6	20.2	23.3	7.8			
27					6.9	29.8	22.2	23.9	0.0			
28					6.3	23.0	21.2	24.0	0.0			
29					6.2	30.8	19.4	24.0	0.0			
30					9.1	30.2	18.9	24.1	0.0			
31					10.2		18.7	24.2				
Mean C.F.S					91.60	656.92	765.32	700.10	410.05			
Total A.F.					181.7	1303.0	1518.0	1388.6	813.3			
A.F. Charged					0.0	332.1	1518.0	1388.6	813.3			

Total Flow 5204.7 Acre Feet

Total Charged 4052.1 Acre Feet

4052.1 A.F. (Paradise Canal Flow) + 0.00 A.F. (Flow through the Highline Canal) =4052.10 A.F.

Hyrum Reservoir Stopped Overflowing on June 26
Porcupine Reservoir Stopped Overflowing on June 25

WATER USERS AND ASSESSMENT ACCOUNT NUMBERS

Account No. 4A (Paradise Canal)

DIVERSION LOCATION

MEASURING DEVICE LOCATION

In the Southeast Quadrant of the 800 East and 11000 South Intersection in Avon, Utah

DESCRIPTION OF DIVERTING WORKS AND MEASURING DEVICE

4' Parshall Flume with a Aqua Pod Meter and Telemtry System

STATUS OF DIVERTING WORKS AND MEASURING DEVICE

Good

STATE OF UTAH
OFFICE OF STATE ENGINEER

Daily Discharge in Second Feet for **Hyrum City Through Paradise Canal**
below Porcupine Reservoir for Water Year 2017

DAY	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC
1					0.0	0.0	0.0	0.0	0.0			
2					0.0	0.0	0.0	0.0	0.0			
3					0.0	0.0	0.0	0.0	0.0			
4					0.0	0.0	0.0	0.0	0.0			
5					0.0	0.0	0.0	0.0	0.0			
6					0.0	0.0	0.0	0.0	0.0			
7					0.0	0.0	0.0	0.0	0.0			
8					0.0	0.0	0.0	0.0	0.0			
9					0.0	0.0	0.0	0.0	0.0			
10					0.0	0.0	0.0	0.0	0.0			
11					0.0	0.0	0.0	0.0	0.0			
12					0.0	0.0	0.0	0.0	0.0			
13					0.0	0.0	0.0	0.0	0.0			
14					0.0	0.0	0.0	0.0	0.0			
15					0.0	0.0	0.0	0.0	0.0			
16					0.0	0.0	0.0	0.0	0.0			
17					0.0	0.0	0.0	0.0	0.0			
18					0.0	0.0	0.0	0.0	0.0			
19					0.0	0.0	0.0	0.0	0.0			
20					0.0	0.0	0.0	0.0	0.0			
21					0.0	0.0	0.0	0.0	0.0			
22					0.0	0.0	0.0	0.0	0.0			
23					0.0	0.0	0.0	0.0	0.0			
24					0.0	0.0	0.0	0.0	0.0			
25					0.0	0.0	0.0	0.0	0.0			
26					0.0	0.0	0.0	0.0	0.0			
27					0.0	0.0	0.0	0.0	0.0			
28					0.0	0.0	0.0	0.0	0.0			
29					0.0	0.0	0.0	0.0	0.0			
30					0.0	0.0	0.0	0.0	0.0			
31					0.0		0.0	0.0				
Mean C.F.S					0.00	0.00	0.00	0.00	0.00			
Total A.F.					0.0	0.0	0.0	0.0	0.0			
A.F. Charged					0.0	0.0	0.0	0.0	0.0			

Total Flow 0.0 Acre Feet
Total Charged 0.0 Acre Feet

Hyrum Reservoir Stopped Overflowing on June 26
Porcupine Reservoir Stopped Overflowing on June 25

WATER USERS AND ASSESSMENT ACCOUNT NUMBERS

Hyrum City Through the Paradise Canal
(Porcupine Storage Water)

DIVERSION LOCATION

Black Tube near Measuring Device Location

MEASURING DEVICE LOCATION

in Avon at the Corner of 800 East and 1100 South

DESCRIPTION OF DIVERTING WORKS AND MEASURING DEVICE

The flow for Hyrum City is measured by taking the difference between the two Parshall Flumes in the Paradise Canal at the above noted location less the flow for the Exchange Users

STATUS OF DIVERTING WORKS AND MEASURING DEVICE

Good

STATE OF UTAH
OFFICE OF STATE ENGINEER

Daily Discharge in Second Feet for **Exchange Users**
at Avon, Utah for Water Year 2017

DAY	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC
1					0.0	3.0	3.0	3.0	3.0			
2					0.0	3.0	3.0	3.0	3.0			
3					0.0	3.0	3.0	3.0	3.0			
4					0.0	3.0	3.0	3.0	3.0			
5					0.0	3.0	3.0	3.0	3.0			
6					0.0	3.0	3.0	3.0	3.0			
7					0.0	3.0	3.0	3.0	3.0			
8					0.0	3.0	3.0	3.0	3.0			
9					0.0	3.0	3.0	3.0	3.0			
10					0.0	3.0	3.0	3.0	3.0			
11					0.0	3.0	3.0	3.0	3.0			
12					0.0	3.0	3.0	3.0	3.0			
13					0.0	3.0	3.0	3.0	3.0			
14					0.0	3.0	3.0	3.0	3.0			
15					0.0	3.0	3.0	3.0	3.0			
16					0.0	3.0	3.0	3.0	3.0			
17					0.0	3.0	3.0	3.0	3.0			
18					0.0	3.0	3.0	3.0	3.0			
19					0.0	3.0	3.0	3.0	3.0			
20					0.0	3.0	3.0	3.0	3.0			
21					0.0	3.0	3.0	3.0	0.0			
22					0.0	3.0	3.0	3.0	0.0			
23					0.0	3.0	3.0	3.0	0.0			
24					0.0	3.0	3.0	3.0	0.0			
25					0.0	3.0	3.0	3.0	0.0			
26					0.0	3.0	3.0	3.0	0.0			
27					0.0	3.0	3.0	3.0	0.0			
28					0.0	3.0	3.0	3.0	0.0			
29					3.0	3.0	3.0	3.0	0.0			
30					3.0	3.0	3.0	3.0	0.0			
31					3.0		3.0	3.0				
Mean C.F.S					9.00	90.00	93.00	93.00	60.00			
Total A.F.					17.85	178.52	184.47	184.47	119.01			
A.F. Charged					0.00	35.70	184.47	184.47	119.01			

Total Flow 684.31 Acre Feet
Total Charged 523.64 Acre Feet

Hyrum Reservoir Stopped Overflowing on June 26
Porcupine Reservoir Stopped Overflowing on June 25

WATER USERS AND ASSESSMENT ACCOUNT NUMBERS

Exchange Users

DIVERSION LOCATION

MEASURING DEVICE LOCATION

In the Southeast Quadrant of the 800 East and 11000 South Intersection in Avon, Utah

DESCRIPTION OF DIVERTING WORKS AND MEASURING DEVICE

The flow for the adverse users is measured by taking the difference in flows betweeen the two parshall flumes in the Paradise Canal at the above noted location less the flows to Hyrum City

STATUS OF DIVERTING WORKS AND MEASURING DEVICE

Fair

STATE OF UTAH
OFFICE OF STATE ENGINEER

Daily Discharge in Second Feet for **HIGHLINE CANAL Acct. No. 17d**
below Porcupine Reservoir for Water Year 2017

DAY	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC
1					0.0	29.0	48.3	32.2	37.8			
2					0.0	29.2	48.6	32.3	36.3			
3					0.0	33.2	49.0	32.3	34.5			
4					0.0	35.8	49.4	32.3	31.2			
5					0.0	35.6	29.9	39.2	29.7			
6					0.0	32.3	29.9	38.9	30.5			
7					0.0	30.0	48.1	35.5	27.0			
8					0.0	29.8	49.0	24.1	23.6			
9					0.0	29.7	49.1	35.3	23.5			
10					0.0	29.5	48.9	41.6	23.4			
11					0.0	27.3	48.8	42.8	24.5			
12					0.0	27.8	48.8	43.8	26.1			
13					0.0	36.7	48.8	43.7	27.4			
14					0.0	32.6	48.8	43.6	29.3			
15					0.0	30.1	47.6	43.4	27.0			
16					0.0	29.8	47.5	41.2	22.4			
17					0.0	29.6	47.3	40.1	18.9			
18					0.0	29.3	47.2	40.0	16.3			
19					0.0	34.9	46.9	40.0	15.4			
20					0.0	41.4	47.7	40.0	10.2			
21					0.0	41.2	48.4	40.0	0.0			
22					0.0	41.0	47.2	39.8	0.0			
23					6.0	41.1	42.2	39.6	0.0			
24					3.8	41.4	36.9	39.6	0.0			
25					7.0	41.9	34.5	39.6	0.0			
26					5.7	42.7	32.2	38.6	0.0			
27					6.7	45.1	29.1	37.7	0.0			
28					10.8	47.9	26.0	37.6	0.0			
29					14.6	48.8	23.2	37.6	0.0			
30					24.7	48.7	28.8	37.5	0.0			
31					25.6		32.0	37.9				
Mean C.F.S					104.80	1073.30	1309.60	1187.94	514.99			
Total A.F.					207.87	2128.89	2597.59	2356.28	1021.48			
A.F. Charged					0.00	545.44	2597.59	2356.28	1021.48			

Total Flow 8312.11 Acre Feet
Total Charable Flow = 6520.80 Acre Feet
Less Paradise City Water = 1396.4 Acre Feet
Total Charged **5124.4 Acre Feet**

Hyrum Reservoir Stopped Overflowing on June 26
Porcupine Reservoir Stopped Overflowing on June 25

WATER USERS AND ASSESSMENT ACCOUNT NUMBERS

Account No. 17D (Highline Canal)

DIVERSION LOCATION

Below Porcupine Reservoir

MEASURING DEVICE LOCATION

Below Porcupine Reservoir

DESCRIPTION OF DIVERTING WORKS AND MEASURING DEVICE

3' Parshall Flume with Telemetry System

STATUS OF DIVERTING WORKS AND MEASURING DEVICE

Parshall Flume does not Measure accurately when canal mosses up at the end of the irrigation season. Parshall Flume records flows in error of 10.9% above actual flow. Figures to the left are adjusted accordingly.

STATE OF UTAH
OFFICE OF STATE ENGINEER

Daily Discharge in Second Feet for **PARADISE CITY (Through Highline Canal)**
at AVON, UTAH for Water Year **2017**

DAY	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC
1					0.0	0.0	8.0	8.0	8.0			
2					0.0	0.0	8.0	8.0	8.0			
3					0.0	0.0	8.0	8.0	8.0			
4					0.0	0.0	8.0	8.0	8.0			
5					0.0	0.0	8.0	8.0	8.0			
6					0.0	0.0	8.0	8.0	8.0			
7					0.0	8.0	8.0	8.0	8.0			
8					0.0	8.0	8.0	8.0	8.0			
9					0.0	8.0	8.0	8.0	8.0			
10					0.0	8.0	8.0	8.0	8.0			
11					0.0	8.0	8.0	8.0	8.0			
12					0.0	8.0	8.0	8.0	8.0			
13					0.0	8.0	8.0	8.0	8.0			
14					0.0	8.0	8.0	8.0	8.0			
15					0.0	8.0	8.0	8.0	8.0			
16					0.0	8.0	8.0	8.0	8.0			
17					0.0	8.0	8.0	8.0	8.0			
18					0.0	8.0	8.0	8.0	8.0			
19					0.0	8.0	8.0	8.0	8.0			
20					0.0	8.0	8.0	8.0	8.0			
21					0.0	8.0	8.0	8.0	8.0			
22					0.0	8.0	8.0	8.0	0.0			
23					0.0	8.0	8.0	8.0	0.0			
24					0.0	8.0	8.0	8.0	0.0			
25					0.0	8.0	8.0	8.0	0.0			
26					0.0	8.0	8.0	8.0	0.0			
27					0.0	8.0	8.0	8.0	0.0			
28					0.0	8.0	8.0	8.0	0.0			
29					0.0	8.0	8.0	8.0	0.0			
30					0.0	8.0	8.0	8.0	0.0			
31					0.0		8.0	8.0				
Mean C.F.S					0.00	192.00	248.00	248.00	168.00			
Total A.F.					0.0	380.8	491.9	491.9	333.2			
A.F. Charged					0.0	79.3	491.9	491.9	333.2			

Total Flow 1697.9 Acre Feet
Total Charged 1396.4 Acre Feet

Hyrum Reservoir Stopped Overflowing on June 26
Porcupine Reservoir Stopped Overflowing on June 25

WATER USERS AND ASSESSMENT ACCOUNT NUMBERS

Paradise City Through Highline Canal

DIVERSION LOCATION

Structure at Highline Canal

MEASURING DEVICE LOCATION

Below the Porcupine Dam

DESCRIPTION OF DIVERTING WORKS AND MEASURING DEVICE

The water discharged for Paradise City flows in the Highline Canal and is taken out of the canal on the east bench of Paradise City. The Pardise City flow meter that measures this flow does not work. Flows are estimated.

STATUS OF DIVERTING WORKS AND MEASURING DEVICE

Not Working, Estimated Flows

STATE OF UTAH
OFFICE OF STATE ENGINEER

Daily Discharge in Second Feet for **Porcupine Creek Acct. No. 17E**
below Porcupine Reservoir for Water Year 2017

DAY	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC
1					6.5	6.5	3.5	2.2	1.6			
2					6.5	6.5	3.3	2.2	1.6			
3					6.5	6.5	3.0	2.1	1.5			
4					6.5	6.5	3.0	2.1	1.5			
5					6.5	6.5	2.9	2.1	1.5			
6					6.5	6.5	2.9	2.1	1.5			
7					6.5	6.5	2.9	2.1	1.5			
8					6.5	6.5	2.8	2.0	1.5			
9					6.5	6.5	2.8	2.0	1.5			
10					6.5	6.5	2.8	2.0	1.5			
11					6.5	6.5	2.7	2.0	1.5			
12					6.5	6.5	2.7	1.9	1.5			
13					6.5	6.5	2.7	1.9	1.5			
14					6.5	6.5	2.7	1.9	1.5			
15					6.5	6.5	2.6	1.9	1.5			
16					6.5	6.5	2.6	1.9	1.5			
17					6.5	6.5	2.6	1.8	1.5			
18					6.5	6.5	2.5	1.8	1.5			
19					6.5	6.5	2.4	1.8	1.5			
20					6.5	6.3	2.4	1.8	1.5			
21					6.5	6.0	2.4	1.8	1.5			
22					6.5	5.8	2.4	1.7	1.4			
23					6.5	5.5	2.3	1.7	1.4			
24					6.5	5.3	2.3	1.7	1.4			
25					6.5	5.1	2.3	1.7	1.4			
26					6.5	4.9	2.3	1.7	1.4			
27					6.5	4.6	2.2	1.6	1.4			
28					6.5	4.3	2.2	1.6	1.4			
29					6.5	4.0	2.2	1.6	1.4			
30					6.5	3.7	2.2	1.6	1.4			
31					6.5		2.2	1.6				
Mean C.F.S					201.71	179.21	80.83	57.93	44.39			
Total A.F.					400.10	355.47	160.33	114.89	88.05			
A.F. Charged					0.00	52.87	160.33	114.89	88.05			

Total Flow ###### Acre Feet

Total Charged 416.1 Acre Feet

Hyrum Reservoir Stopped Overflowing on June 26
Porcupine Reservoir Stopped Overflowing on June 25

WATER USERS AND ASSESSMENT ACCOUNT NUMBERS

Account No. 17E (Porcupine Creek)

DIVERSION LOCATION

MEASURING DEVICE LOCATION

South of Porcupine Dam Approximately One Mile

DESCRIPTION OF DIVERTING WORKS AND MEASURING DEVICE

3' Cipolettie Wier

STATUS OF DIVERTING WORKS AND MEASURING DEVICE

Needs cleaning and regular maintenance on Stilling Pool

STATE OF UTAH
OFFICE OF STATE ENGINEER

Daily Discharge in Second Feet for **Big Spring Acct. No. 17F**
below Porcupine Reservoir for Water Year 2017

DAY	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC
1					29.6	29.6	7.7	4.1	2.6			
2					29.6	29.6	6.6	4.0	2.5			
3					29.6	29.6	6.5	4.0	2.5			
4					29.6	29.6	6.4	3.9	2.5			
5					29.6	29.6	6.2	3.8	2.5			
6					29.6	29.6	6.1	3.7	2.5			
7					29.6	29.6	6.0	3.7	2.5			
8					29.6	29.6	5.9	3.7	2.5			
9					29.6	29.6	5.9	3.7	2.5			
10					29.6	29.6	5.8	3.6	2.5			
11					29.6	29.6	5.6	3.6	2.5			
12					29.6	29.6	5.5	3.6	2.5			
13					29.6	29.6	5.4	3.5	2.5			
14					29.6	29.6	5.3	3.5	2.5			
15					29.6	29.6	5.2	3.4	2.5			
16					29.6	29.6	5.1	3.3	2.5			
17					29.6	29.6	5.1	3.3	2.4			
18					29.6	29.6	5.0	3.2	2.4			
19					29.6	29.6	5.0	3.2	2.4			
20					29.6	27.0	4.9	3.1	2.4			
21					29.6	24.4	4.8	3.1	2.4			
22					29.6	22.0	4.8	3.0	2.4			
23					29.6	19.6	4.7	3.0	2.4			
24					29.6	17.4	4.6	2.9	2.3			
25					29.6	15.3	4.6	2.9	2.3			
26					29.6	13.3	4.5	2.8	2.3			
27					29.6	11.3	4.4	2.8	2.3			
28					29.6	10.4	4.4	2.7	2.3			
29					29.6	9.5	4.3	2.7	2.3			
30					29.6	8.6	4.2	2.6	2.3			
31					29.6		4.2	2.6				
Mean C.F.S					918.52	741.77	165.07	102.94	73.51			
Total A.F.					######	######	327.42	204.19	145.81			
A.F. Charged					0.00	135.56	327.42	204.19	145.81			

Total Flow ###### Acre Feet
Total Charged 813.0 Acre Feet

Hyrum Reservoir Stopped Overflowing on June 26
Porcupine Reservoir Stopped Overflowing on June 25

WATER USERS AND ASSESSMENT ACCOUNT NUMBERS

Account No. 17F (Big Spring)

DIVERSION LOCATION

At the Head of Porcupine Dam

MEASURING DEVICE LOCATION

At the Head of Porcupine Dam

DESCRIPTION OF DIVERTING WORKS AND MEASURING DEVICE

3' Cipolettie Wier

STATUS OF DIVERTING WORKS AND MEASURING DEVICE

Needs some cleaning and maintenance

STATE OF UTAH
OFFICE OF STATE ENGINEER

Daily Discharge in Second Feet for **Pole Creek Acct. No. 17G**
below Porcupine Reservoir for Water Year 2017

DAY	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC
1					10.1	10.1	5.9	3.7	2.3			
2					10.1	10.1	5.5	3.6	2.3			
3					10.1	10.1	5.2	3.6	2.3			
4					10.1	10.1	5.2	3.6	2.3			
5					10.1	10.1	5.1	3.5	2.3			
6					10.1	10.1	5.0	3.5	2.3			
7					10.1	10.1	5.0	3.4	2.3			
8					10.1	10.1	4.9	3.4	2.3			
9					10.1	10.1	4.9	3.4	2.3			
10					10.1	10.1	4.8	3.3	2.3			
11					10.1	10.1	4.7	3.3	2.3			
12					10.1	10.1	4.7	3.2	2.3			
13					10.1	10.1	4.6	3.2	2.3			
14					10.1	10.1	4.5	3.2	2.3			
15					10.1	10.1	4.5	3.1	2.3			
16					10.1	10.1	4.4	3.1	2.3			
17					10.1	10.1	4.4	3.0	2.3			
18					10.1	10.1	4.3	3.0	2.3			
19					10.1	10.1	4.2	3.0	2.3			
20					10.1	9.7	4.2	2.9	2.3			
21					10.1	9.3	4.2	2.9	2.3			
22					10.1	9.0	4.1	2.9	2.3			
23					10.1	8.6	4.1	2.8	2.3			
24					10.1	8.2	3.9	2.8	2.3			
25					10.1	7.9	4.0	2.7	2.3			
26					10.1	7.5	3.9	2.7	2.3			
27					10.1	7.2	3.9	2.7	2.3			
28					10.1	6.9	3.9	2.6	2.3			
29					10.1	6.6	3.8	2.6	2.3			
30					10.1	6.2	3.8	2.6	2.3			
31					10.1		3.7	2.5				
Mean C.F.S					312.64	278.70	139.40	95.67	70.16			
Total A.F.					620.13	552.81	276.50	189.77	139.15			
A.F. Charged					0.00	83.88	276.50	189.77	139.15			

Total Flow ###### Acre Feet
Total Charged 689.3 Acre Feet

Hyrum Reservoir Stopped Overflowing on June 26
Porcupine Reservoir Stopped Overflowing on June 25

WATER USERS AND ASSESSMENT ACCOUNT NUMBERS

Account No. 17G (Pole Creek)

DIVERSION LOCATION

MEASURING DEVICE LOCATION

South of the Outlet to Porcupine Reservoir 0.25 Miles

DESCRIPTION OF DIVERTING WORKS AND MEASURING DEVICE

3' Cipolettie Wier

STATUS OF DIVERTING WORKS AND MEASURING DEVICE

Needs regular cleaning and maintenance on Stilling Pond

STATE OF UTAH
OFFICE OF STATE ENGINEER

Daily Discharge in Second Feet for **Darley Ditch Acct. No. 22**
below Porcupine Reservoir for Water Year 2017

DAY	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC
1					0.2	0.2	0.1	0.2	0.2			
2					0.2	0.2	0.1	0.2	0.2			
3					0.2	0.2	0.1	0.2	0.2			
4					0.2	0.2	0.1	0.2	0.2			
5					0.2	0.2	0.1	0.2	0.2			
6					0.2	0.2	0.1	0.2	0.2			
7					0.2	0.2	0.1	0.2	0.2			
8					0.2	0.2	0.1	0.2	0.2			
9					0.2	0.2	0.1	0.2	0.2			
10					0.2	0.2	0.1	0.2	0.2			
11					0.2	0.2	0.1	0.2	0.2			
12					0.2	0.2	0.1	0.2	0.2			
13					0.2	0.2	0.1	0.2	0.2			
14					0.2	0.2	0.1	0.2	0.2			
15					0.2	0.2	0.1	0.2	0.2			
16					0.2	0.2	0.1	0.2	0.2			
17					0.2	0.2	0.1	0.2	0.2			
18					0.2	0.2	0.1	0.2	0.2			
19					0.2	0.2	0.1	0.2	0.2			
20					0.2	0.2	0.1	0.2	0.2			
21					0.2	0.2	0.1	0.2	0.2			
22					0.2	0.2	0.1	0.2	0.2			
23					0.2	0.2	0.1	0.2	0.2			
24					0.2	0.2	0.1	0.2	0.2			
25					0.2	0.2	0.1	0.2	0.2			
26					0.2	0.2	0.1	0.2	0.2			
27					0.2	0.2	0.1	0.2	0.2			
28					0.2	0.2	0.1	0.2	0.2			
29					0.2	0.2	0.1	0.2	0.2			
30					0.2	0.2	0.1	0.2	0.2			
31					0.2		0.1	0.2				
Mean C.F.S					5.39	5.21	3.10	5.39	5.21			
Total A.F.					10.69	10.34	6.15	10.69	10.34			
A.F. Charged					0.00	1.72	6.15	10.69	10.34			

Total Flow 48.20 Acre Feet
Total Charged 28.9 Acre Feet

Hyrum Reservoir Stopped Overflowing on June 26
Porcupine Reservoir Stopped Overflowing on June 25

WATER USERS AND ASSESSMENT ACCOUNT NUMBERS

Account No. 22 (Darley Ditch)

DIVERSION LOCATION

Hyrum, Utah

MEASURING DEVICE LOCATION

Below Hyrum Dam

DESCRIPTION OF DIVERTING WORKS AND MEASURING DEVICE

2' Parshall Flume

STATUS OF DIVERTING WORKS AND MEASURING DEVICE

Good

STATE OF UTAH
OFFICE OF STATE ENGINEER

Daily Discharge in Second Feet for **Little Bear River**
below Porcupine Reservoir for Water Year 2017

DAY	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC
1					415.0	415.0	86.2	40.3	37.2			
2					419.0	411.0	83.2	36.3	34.9			
3					419.0	390.0	87.7	37.7	33.9			
4					436.0	371.0	83.9	36.4	31.8			
5					466.0	366.0	78.9	36.2	31.1			
6					524.0	342.0	72.2	37.7	30.8			
7					613.0	318.0	69.5	37.4	32.2			
8					713.0	295.0	65.5	51.9	31.0			
9					693.0	268.0	69.3	42.7	30.2			
10					698.0	253.0	69.3	37.1	29.2			
11					649.0	236.0	69.1	36.8	30.7			
12					679.0	231.0	67.1	36.6	30.4			
13					743.0	258.0	65.3	38.9	30.9			
14					647.0	214.0	65.3	40.4	24.0			
15					575.0	199.0	66.7	41.5	24.0			
16					556.0	186.0	60.6	40.0	23.0			
17					618.0	181.0	63.8	42.1	24.0			
18					569.0	171.0	63.3	41.4	24.0			
19					525.0	160.0	61.1	41.8	24.0			
20					486.0	145.0	58.7	42.4	24.0			
21					471.0	128.0	58.0	44.8	24.0			
22					399.0	122.0	55.2	41.7	24.0			
23					274.0	117.0	54.9	37.5	23.0			
24					314.0	110.0	54.6	43.0	22.0			
25					361.0	101.0	55.9	42.1	24.0			
26					450.0	99.7	56.4	37.7	24.0			
27					451.0	97.3	56.1	33.8	24.0			
28					437.0	92.0	55.5	38.3	24.0			
29					432.0	91.2	51.5	35.1	23.0			
30					416.0	89.0	42.8	32.5	23.0			
31					423.0		42.0	36.0				
Mean C.F.S					######	6457.2	1989.6	1218.1	816.3			
Total A.F.					######	######	3946.4	2416.1	1619.1			
A.F. Charged												

Total Flow 52270 Acre Feet

Hyrum Reservoir Stopped Overflowing on June 26
Porcupine Reservoir Stopped Overflowing on June 25

WATER USERS AND ASSESSMENT ACCOUNT NUMBERS

Little Bear River

DIVERSION LOCATION

MEASURING DEVICE LOCATION

30' South of the Bridge over the Little Bear River West of Paradise, Utah

DESCRIPTION OF DIVERTING WORKS AND MEASURING DEVICE

Gauging station is monitored, measured, and maintained by the U.S.G.S.

STATUS OF DIVERTING WORKS AND MEASURING DEVICE

Fair

STATE OF UTAH
OFFICE OF STATE ENGINEER

Daily Discharge in Second Feet for **East Fork of the Little Bear**
below Porcupine Reservoir for Water Year 2017

DAY	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC
1					17.00	50.00	17.50	13.00	9.40			
2					17.00	48.00	17.38	12.80	9.30			
3					17.00	46.00	17.29	12.60	9.20			
4					16.00	44.00	17.07	12.40	9.10			
5					16.00	42.00	16.86	12.20	9.00			
6					16.00	40.00	16.64	12.00	8.93			
7					16.00	38.00	16.43	11.79	8.86			
8					16.00	36.00	16.21	11.57	8.79			
9					15.00	34.00	16.00	11.36	8.71			
10					15.00	32.00	15.86	11.14	8.64			
11					15.00	30.00	15.71	10.93	8.57			
12					14.00	28.88	15.57	10.71	8.50			
13					14.00	27.75	15.43	10.50	8.50			
14					14.00	26.63	15.29	10.43	8.50			
15					14.00	25.50	15.14	10.36	8.50			
16					50.00	24.38	15.00	10.29	8.50			
17					50.00	23.25	14.88	10.21	8.50			
18					50.00	22.13	14.75	10.14	8.50			
19					50.00	21.00	14.63	10.07	8.50			
20					50.00	20.75	14.50	10.00	8.50			
21					50.00	20.50	14.38	9.95	8.50			
22					50.00	20.25	14.25	9.91	8.50			
23					50.00	20.00	14.13	9.86	8.50			
24					50.00	19.75	14.00	9.82	8.50			
25					50.00	19.50	13.86	9.77	8.42			
26					50.00	19.25	13.71	9.73	8.33			
27					50.00	19.00	13.57	9.68	8.25			
28					50.00	18.70	13.43	9.64	8.17			
29					50.00	18.30	13.29	9.59	8.08			
30					50.00	17.90	13.14	9.55	8.00			
31					50.00		13.00	9.50				
Mean C.F.S					1032.00	853.40	468.88	331.50	258.25			
Total A.F.					2047.0	1692.7	930.0	657.5	512.2			
A.F. Charged					0.0	223.4	930.0	657.5	512.2			

Total Flow 5839.5 Acre Feet
Total Charged 2323.2 Acre Feet

Hyrum Reservoir Stopped Overflowing on June 26
Porcupine Reservoir Stopped Overflowing on June 25

WATER USERS AND ASSESSMENT ACCOUNT NUMBERS

East Fork of the Little Bear River

DIVERSION LOCATION

MEASURING DEVICE LOCATION

About 750' East of the Head of Porcupine Reservoir

DESCRIPTION OF DIVERTING WORKS AND MEASURING DEVICE

Manually measured with flow meter and cross sectioning.

STATUS OF DIVERTING WORKS AND MEASURING DEVICE

Poor - The concrete structure that channeled the flow and stilled the water needs to be replaced by an accurate measuring device

STATE OF UTAH
OFFICE OF STATE ENGINEER

Daily Discharge in Second Feet for **Hyrum Dam**
below Porcupine Reservoir for Water Year 2017

DAY	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC
1					0.00	0.00	110.60	79.95	90.66			
2					0.00	0.00	110.82	84.29	90.65			
3					0.00	0.00	111.52	84.71	90.65			
4					0.00	0.00	112.08	89.58	94.64			
5					0.00	0.00	111.61	93.79	97.66			
6					0.00	5.05	113.36	94.28	89.92			
7					0.00	4.71	114.80	93.14	84.76			
8					0.00	4.66	114.48	95.74	75.11			
9					0.00	4.56	114.04	94.85	83.28			
10					0.00	4.78	111.12	96.16	81.02			
11					0.00	10.67	101.94	97.02	81.68			
12					0.00	100.30	102.74	101.13	83.85			
13					0.00	107.75	101.33	133.77	84.52			
14					0.00	104.76	93.73	132.73	79.68			
15					0.00	110.19	93.07	139.74	76.30			
16					0.00	104.93	92.76	143.64	64.83			
17					0.00	105.01	92.42	146.33	45.49			
18					0.00	106.98	95.33	142.13	40.90			
19					0.00	107.68	98.82	139.69	42.11			
20					0.00	108.23	98.98	95.74	42.42			
21					0.00	109.12	101.40	96.90	21.84			
22					0.00	111.67	106.43	96.38	0.00			
23					0.00	115.73	106.06	89.66	0.00			
24					0.00	112.24	105.56	90.70	0.00			
25					0.00	112.34	105.36	91.92	0.00			
26					0.00	113.19	102.20	93.57	0.00			
27					0.00	113.81	88.26	95.58	0.00			
28					0.00	112.30	82.84	94.68	0.00			
29					0.00	109.33	82.86	89.28	0.00			
30					0.00	109.99	82.58	89.84	0.00			
31					0.00		79.43	90.38				
Mean C.F.S					0.00	2109.98	3138.53	3197.30	1541.97			
Total A.F.					0.0	4185.1	6225.3	6341.8	3058.5			
A.F. Charged					0.0	1108.0	6225.3	6341.8	3058.5			

Total Flow 19811 Acre Feet
Total Charged 16734 Acre Feet

Hyrum Reservoir Stopped Overflowing on June 26
Porcupine Reservoir Stopped Overflowing on June 25

WATER USERS AND ASSESSMENT ACCOUNT NUMBERS

Hyrum Dam Discharge

DIVERSION LOCATION

MEASURING DEVICE LOCATION

Inside the Hyrum Dam Pump House

DESCRIPTION OF DIVERTING WORKS AND MEASURING DEVICE

Ultasonic Meters on the Bench Flume and Penstock

STATUS OF DIVERTING WORKS AND MEASURING DEVICE

Good

STATE OF UTAH
OFFICE OF STATE ENGINEER

Daily Discharge in Second Feet for **Porcupine Reservoir**
below Porcupine Reservoir for Water Year 2017

DAY	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC
1					0.00	14.33	53.80	32.78	42.73			
2					0.00	14.39	53.79	33.91	42.61			
3					0.00	14.25	54.14	33.95	42.46			
4					0.00	14.42	56.93	33.85	38.76			
5					0.00	14.32	29.91	40.57	35.98			
6					0.00	14.14	31.37	40.46	34.60			
7					0.00	14.36	54.52	35.31	29.06			
8					0.00	14.30	58.29	18.15	25.80			
9					0.00	14.32	58.24	28.74	25.92			
10					0.00	14.22	58.16	37.25	25.80			
11					0.00	14.26	58.12	44.78	25.88			
12					0.00	14.31	57.89	52.15	25.85			
13					0.00	14.25	57.86	51.33	25.80			
14					0.00	14.28	57.88	51.27	25.75			
15					0.00	14.34	54.56	51.13	21.92			
16					0.00	14.23	50.27	48.71	14.86			
17					0.00	14.35	48.07	47.23	10.67			
18					0.00	14.38	49.98	47.27	8.39			
19					0.00	14.43	53.52	47.25	8.50			
20					0.00	14.37	53.33	47.13	3.85			
21					0.00	14.37	53.37	47.02	0.00			
22					21.37	15.39	51.81	44.66	0.00			
23					21.38	22.13	46.33	43.17	0.00			
24					17.57	34.87	43.62	43.13	0.00			
25					14.33	49.43	40.57	43.17	0.00			
26					14.36	57.21	36.06	42.95	0.00			
27					14.21	54.26	31.33	42.93	0.00			
28					14.50	54.58	26.97	42.87	0.00			
29					14.38	56.79	23.30	42.79	0.00			
30					14.38	55.89	28.48	42.75	0.00			
31					14.32		31.46	42.76				
Mean C.F.S					160.80	701.17	1463.93	1301.42	515.19			
Total A.F.					318.9	1390.8	2903.7	2581.4	1021.9			
A.F. Charged					0.0	650.9	2903.7	2581.4	1021.9			

Total Flow 8217 Acre Feet
Total Charged 7158 Acre Feet

Hyrum Reservoir Stopped Overflowing on June 26
Porcupine Reservoir Stopped Overflowing on June 25

WATER USERS AND ASSESSMENT ACCOUNT NUMBERS

Porcupine Reservoir Discharge

DIVERSION LOCATION

MEASURING DEVICE LOCATION

Inside the Porcupine Dam Control House

DESCRIPTION OF DIVERTING WORKS AND MEASURING DEVICE

Ultasonic Meter on the Outlet Pipe with a Telemetry System

STATUS OF DIVERTING WORKS AND MEASURING DEVICE

This meter does not work correctly with flows above 70 CFS. Any measurements above 70 CFS is an estimate.

Hyrum Reservoir - Elevation Volume Table

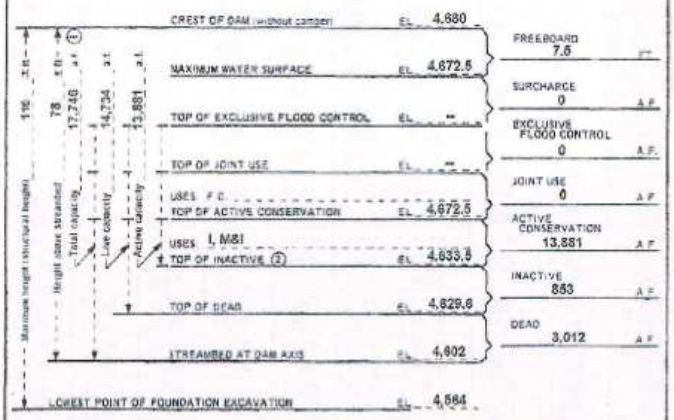
Recalculated 2006

	0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
4629	0	0	0	0	0	0	0	21	41	62
4630	82	103	124	145	165	186	208	229	250	271
4631	293	314	336	357	379	401	423	445	467	489
4632	511	533	555	578	600	623	645	668	691	714
4633	737	760	783	806	829	853	876	899	923	947
4634	970	994	1018	1042	1066	1090	1115	1139	1163	1188
4635	1212	1237	1261	1286	1311	1336	1361	1386	1411	1437
4636	1462	1487	1513	1538	1564	1590	1616	1641	1667	1693
4637	1720	1746	1772	1798	1825	1851	1878	1905	1931	1958
4638	1985	2012	2039	2066	2093	2121	2148	2175	2203	2230
4639	2258	2285	2313	2341	2369	2397	2425	2453	2481	2509
4640	2537	2566	2594	2622	2651	2680	2708	2737	2766	2795
4641	2824	2853	2882	2911	2940	2969	2999	3028	3058	3087
4642	3117	3147	3176	3206	3236	3266	3296	3326	3356	3387
4643	3417	3447	3478	3508	3538	3569	3599	3630	3660	3691
4644	3722	3753	3783	3814	3845	3876	3907	3938	3969	4000
4645	4031	4063	4094	4125	4157	4188	4219	4251	4282	4314
4646	4346	4377	4409	4441	4473	4505	4537	4569	4601	4633
4647	4665	4697	4729	4761	4794	4826	4858	4891	4923	4956
4648	4988	5021	5054	5087	5119	5152	5185	5218	5251	5284
4649	5317	5350	5383	5417	5450	5483	5517	5550	5584	5617
4650	5651	5684	5718	5752	5786	5820	5853	5887	5921	5955
4651	5990	6024	6058	6092	6126	6161	6195	6230	6264	6299
4652	6333	6368	6403	6437	6472	6507	6542	6577	6612	6647
4653	6682	6717	6753	6788	6823	6859	6894	6930	6966	7002
4654	7037	7073	7109	7145	7181	7217	7254	7290	7326	7363
4655	7399	7436	7472	7509	7546	7582	7619	7656	7693	7730
4656	7767	7804	7842	7879	7916	7954	7991	8029	8066	8104
4657	8142	8180	8218	8256	8294	8332	8370	8408	8446	8485
4658	8523	8562	8600	8639	8677	8716	8755	8794	8833	8872
4659	8911	8950	8989	9028	9067	9107	9146	9186	9225	9265
4660	9304	9344	9384	9424	9464	9503	9544	9584	9624	9664
4661	9704	9745	9785	9825	9866	9907	9947	9988	10029	10070
4662	10111	10151	10193	10234	10275	10316	10357	10399	10440	10481
4663	10523	10565	10606	10648	10690	10732	10774	10816	10858	10900
4664	10942	10984	11027	11069	11112	11154	11197	11239	11282	11325
4665	11368	11411	11454	11497	11540	11583	11626	11670	11713	11756
4666	11800	11843	11887	11931	11975	12018	12062	12106	12150	12194
4667	12239	12283	12327	12372	12416	12460	12505	12550	12594	12639
4668	12684	12728	12773	12818	12863	12908	12953	12998	13043	13088
4669	13133	13178	13223	13268	13313	13359	13404	13449	13495	13540
4670	13585	13631	13676	13722	13768	13813	13859	13905	13950	13996
4671	14042	14088	14134	14180	14226	14272	14318	14364	14410	14456
4672	14502	14549	14595	14641	14688	14734				

Upper Bear
Water and Power

RESERVOIR CAPACITY ALLOCATIONS

TYPE OF DAM	Homogeneous Earthfill	REGION UC	STATE Utah
OPERATED BY	South Cache Water Users' Association		Hyrum RESERVOIR
CREST LENGTH	640 FT. CREST WIDTH 30 FT		Hyrum DAM
VOLUME OF DAM	430,000 CU YD		Hyrum PROJECT
CONSTRUCTION PERIOD	1934-1935		DIVISION
STREAM	Little Bear River		UNIT
RES AREA	464 ACRES AT EL. 4,672.5		Operational STATUS OF DAM
ORIGINATED BY	AJV (Initials) PRO-436 (Code) 6/13/2006 (Date)	APPROVED BY	REL (Initials) PRO-440 (Code) 9/3/2010 (Date)



(1) Includes _____ a.f. allowance for _____ years sediment deposition between streambed and El. _____ of which _____ a.f. is above El. _____.
(2) Established by _____

REFERENCES AND COMMENTS:

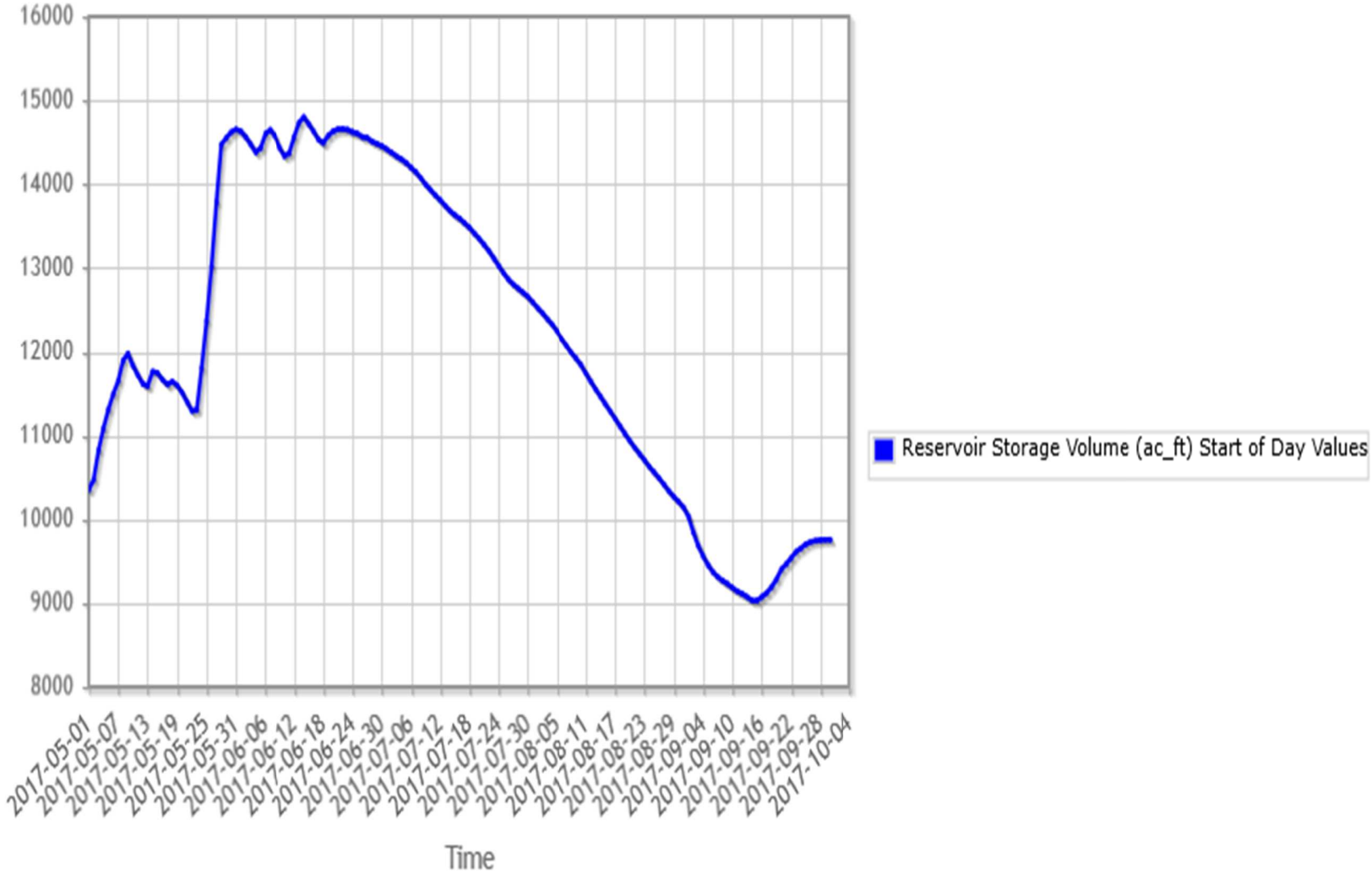
Capacities revised based on June 2006 hydrographic sonar survey with capacities derived in ACAP92.

Hyrum Dike
Crest Length - 900 feet
Structural Height - 15 feet
Crest Elevation - 4,683.0

(2) Surface elevation required to maintain operating head through outlet works (sill elevation 4,629.6 feet).

Figure 4.1 - Reservoir Capacity Allocation Sheet

Hyrum Reservoir (10107000) Utah RESERVOIR Site - 4650 ftReporting Frequency: Daily; Date Range: 2017-05-01 to 2017-09-30



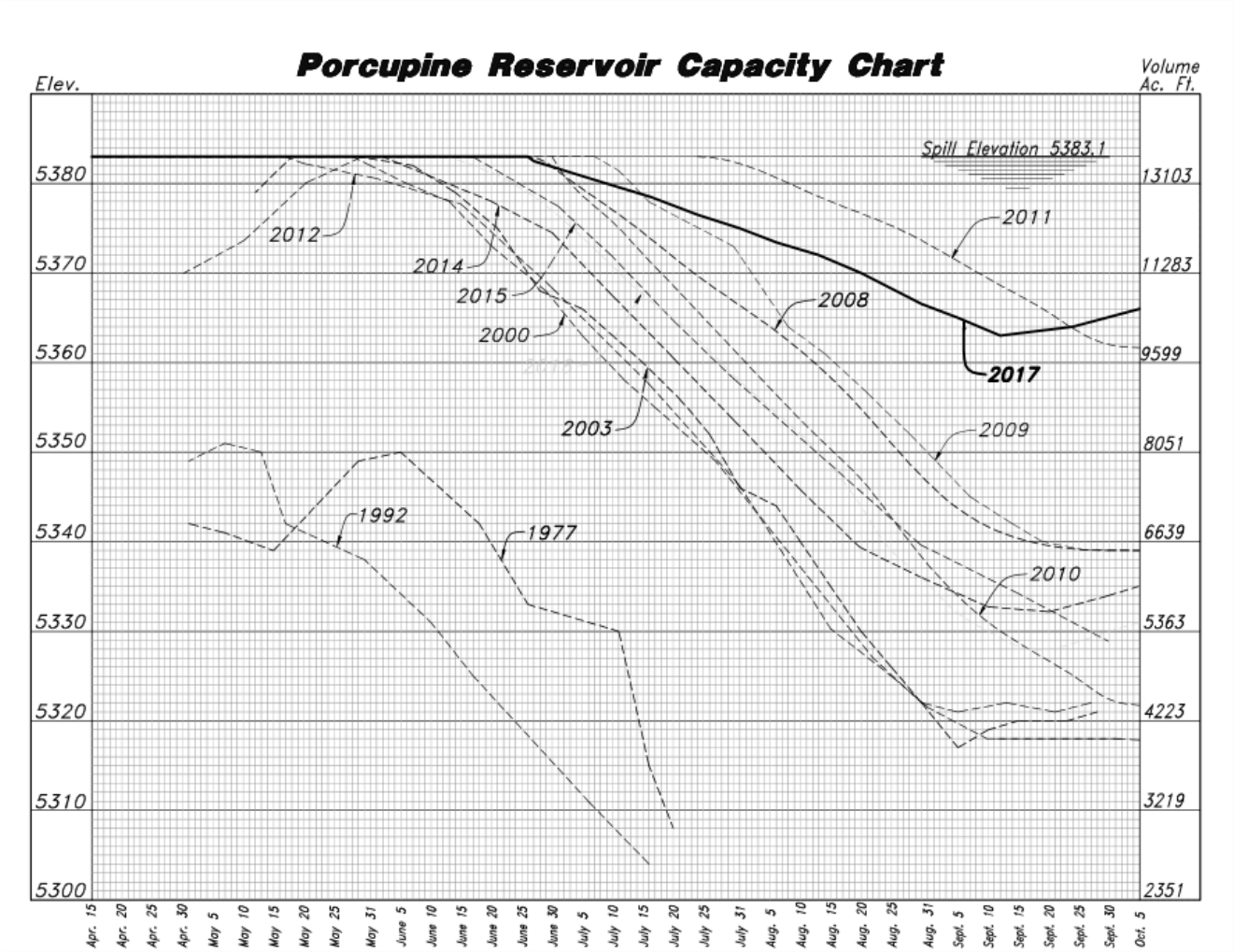
Porcupine Reservoir Capacity Table

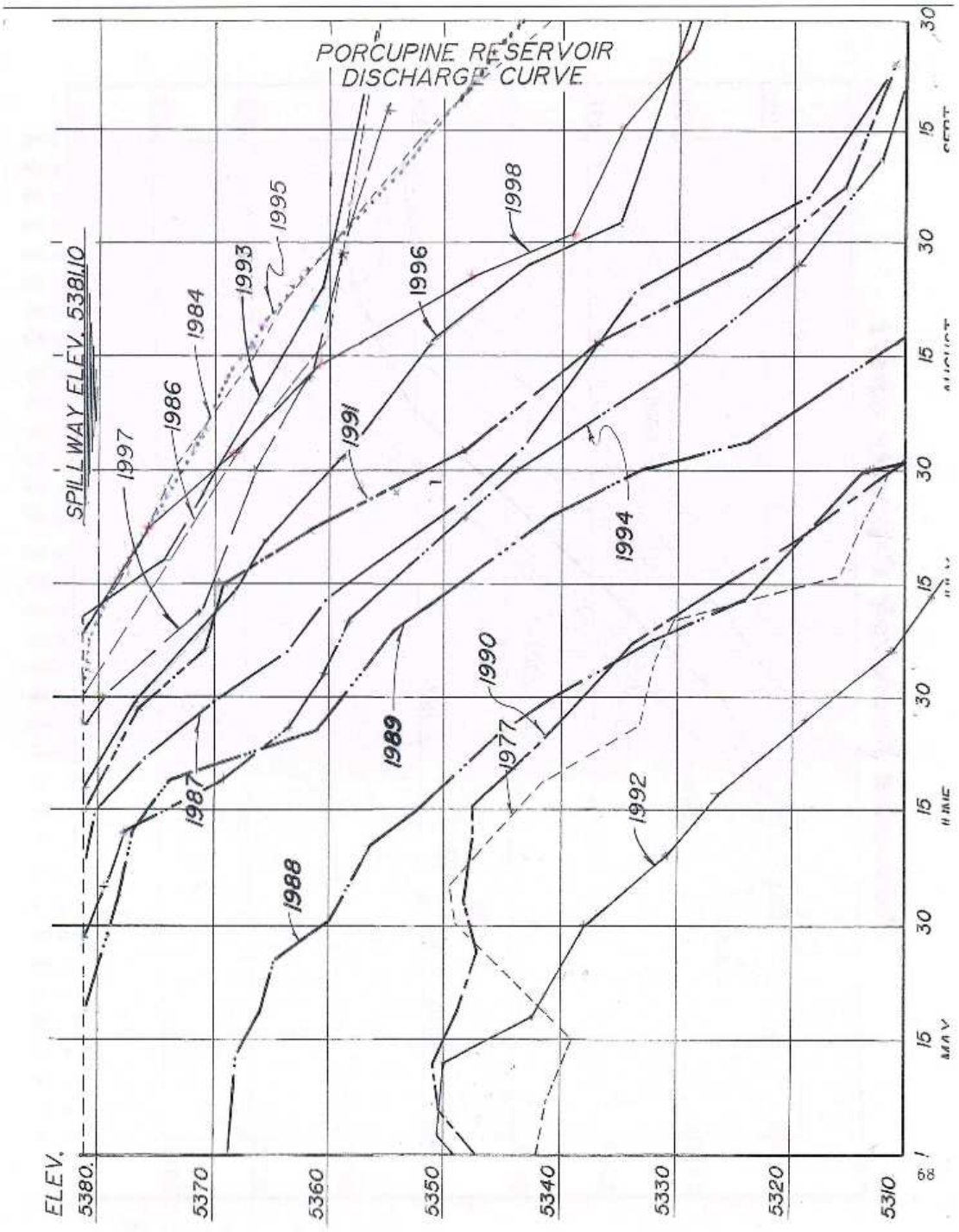
2012

Elev. in Feet	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
5239	0	0	0	0	0	1	1	1	1	1
5240	1	1	1	1	1	2	2	2	2	2
5241	2	2	2	2	2	2	2	2	2	2
5242	2	2	2	2	2	3	3	3	3	3
5243	3	3	3	3	3	4	4	4	4	4
5244	4	4	4	4	4	4	5	5	5	5
5245	5	5	6	7	7	8	8	9	9	10
5246	11	11	12	12	13	14	14	15	15	16
5247	16	17	18	18	19	19	20	20	21	22
5248	22	23	23	24	25	25	26	26	27	27
5249	28	29	29	30	30	31	31	32	33	33
5250	34	35	36	38	39	41	42	43	45	46
5251	48	49	50	52	53	55	56	57	59	60
5252	62	63	64	66	67	69	70	71	73	74
5253	76	77	78	80	81	83	84	85	87	88
5254	90	91	92	94	95	97	98	100	101	102
5255	104	106	107	109	111	113	115	117	118	120
5256	122	124	126	128	129	131	133	135	137	138
5257	140	142	144	146	148	149	151	153	155	157
5258	158	160	162	164	166	168	169	171	173	175
5259	177	179	180	182	184	186	188	190	192	194
5260	195	198	200	202	204	207	209	211	213	216
5261	218	220	223	225	227	229	232	234	236	238
5262	241	243	245	247	250	252	254	256	259	261
5263	263	265	268	270	272	274	277	279	281	284
5264	286	288	290	292	294	297	299	301	303	305
5265	308	310	313	316	319	322	325	327	330	333
5266	336	339	342	344	347	350	353	356	359	362
5267	364	367	370	373	376	379	381	384	387	390
5268	393	396	398	401	404	407	410	413	415	418
5269	421	424	427	430	433	436	439	442	445	447
5270	450	454	458	461	465	468	472	476	479	483
5271	487	490	494	497	501	505	508	512	516	519
5272	523	526	530	534	537	541	544	548	552	555
5273	559	563	566	570	573	577	581	584	588	592
5274	595	599	602	606	609	613	616	620	624	627
5275	631	635	639	644	648	652	657	661	665	670
5276	674	679	683	687	692	696	700	705	709	713
5277	718	722	727	731	735	740	744	748	753	757
5278	761	766	770	774	779	783	788	792	796	801
5279	805	809	814	818	823	827	832	836	840	845
5280	849	855	860	865	871	876	881	886	892	897
5281	902	908	913	918	924	929	934	939	945	950
5282	955	961	966	971	977	982	987	992	998	1003
5283	1008	1014	1019	1024	1030	1035	1040	1045	1051	1056
5284	1061	1067	1072	1077	1083	1088	1093	1099	1104	1109
5285	1114	1120	1126	1132	1138	1144	1150	1156	1162	1168
5286	1174	1180	1186	1192	1198	1204	1210	1216	1222	1228
5287	1234	1240	1246	1252	1258	1264	1270	1276	1282	1288
5288	1294	1300	1306	1312	1318	1324	1330	1336	1342	1348
5289	1354	1360	1365	1371	1377	1383	1389	1395	1401	1407
5290	1413	1419	1426	1433	1439	1446	1453	1459	1466	1473
5291	1479	1486	1493	1499	1506	1513	1520	1526	1533	1540
5292	1546	1553	1560	1566	1573	1580	1586	1593	1600	1606
5293	1613	1620	1626	1633	1640	1646	1653	1660	1666	1673
5294	1680	1687	1693	1700	1707	1713	1720	1727	1734	1740
5295	1747	1754	1762	1769	1776	1784	1791	1798	1806	1813

Elev. in Feet	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9
5296	1821	1828	1835	1843	1850	1857	1865	1872	1879	1887
5297	1894	1901	1909	1916	1923	1931	1938	1945	1953	1960
5298	1967	1975	1982	1989	1997	2004	2011	2019	2026	2033
5299	2041	2048	2055	2063	2070	2077	2085	2092	2099	2107
5300	2114	2122	2130	2138	2146	2154	2162	2170	2178	2186
5301	2194	2203	2211	2219	2227	2235	2243	2251	2259	2267
5302	2275	2283	2291	2299	2307	2315	2323	2331	2339	2347
5303	2355	2363	2371	2379	2387	2395	2404	2412	2420	2428
5304	2436	2444	2452	2460	2468	2476	2484	2492	2500	2508
5305	2516	2525	2534	2543	2552	2561	2570	2578	2587	2596
5306	2605	2614	2623	2632	2641	2650	2659	2668	2677	2686
5307	2694	2703	2712	2721	2730	2739	2748	2757	2766	2775
5308	2784	2793	2801	2810	2819	2828	2837	2846	2855	2864
5309	2873	2882	2891	2900	2909	2918	2926	2935	2944	2953
5310	2962	2972	2981	2991	3001	3010	3020	3029	3039	3049
5311	3058	3068	3077	3087	3097	3106	3116	3125	3135	3145
5312	3154	3164	3173	3183	3193	3202	3212	3221	3231	3241
5313	3250	3260	3269	3279	3289	3298	3308	3317	3327	3337
5314	3346	3356	3365	3375	3385	3394	3404	3413	3423	3433
5315	3442	3453	3463	3473	3484	3494	3504	3515	3525	3535
5316	3546	3556	3566	3577	3587	3597	3608	3618	3628	3639
5317	3649	3659	3670	3680	3690	3701	3711	3721	3732	3742
5318	3752	3763	3773	3783	3794	3804	3814	3825	3835	3845
5319	3856	3866	3876	3887	3897	3907	3918	3928	3938	3948
5320	3959	3970	3981	3992	4003	4014	4025	4036	4047	4058
5321	4069	4080	4091	4102	4113	4123	4134	4145	4156	4167
5322	4178	4189	4200	4211	4222	4233	4244	4255	4266	4277
5323	4288	4299	4310	4321	4332	4343	4354	4365	4376	4387
5324	4398	4409	4420	4431	4442	4453	4464	4475	4486	4497
5325	4508	4520	4532	4543	4555	4567	4578	4590	4602	4613
5326	4625	4637	4648	4660	4672	4683	4695	4707	4718	4730
5327	4742	4753	4765	4777	4788	4800	4812	4823	4835	4847
5328	4858	4870	4881	4893	4905	4916	4928	4940	4951	4963
5329	4975	4986	4998	5010	5021	5033	5044	5056	5068	5079
5330	5091	5103	5116	5128	5140	5152	5165	5177	5189	5202
5331	5214	5226	5239	5251	5263	5275	5288	5300	5312	5325
5332	5337	5349	5362	5374	5386	5398	5411	5423	5435	5448
5333	5460	5472	5485	5497	5509	5521	5534	5546	5558	5571
5334	5583	5595	5607	5620	5632	5644	5657	5669	5681	5693
5335	5706	5719	5731	5744	5757	5770	5783	5796	5809	5822
5336	5835	5847	5860	5873	5886	5899	5912	5925	5938	5950
5337	5963	5976	5989	6002	6015	6028	6041	6053	6066	6079
5338	6092	6105	6118	6131	6144	6157	6169	6182	6195	6208
5339	6221	6234	6247	6260	6273	6286	6299	6311	6324	6337
5340	6350	6364	6377	6391	6404	6418	6431	6445	6458	6471
5341	6485	6498	6512	6525	6539	6552	6566	6579	6593	6606
5342	6619	6633	6646	6660	6673	6687	6700	6714	6727	6741
5343	6754	6768	6781	6794	6808	6821	6835	6848	6862	6875
5344	6889	6902	6916	6929	6942	6956	6969	6983	6996	7009
5345	7023	7037	7051	7065	7079	7093	7107	7121	7135	7149
5346	7163	7177	7191	7206	7220	7234	7248	7262	7276	7290
5347	7304	7318	7332	7346	7360	7374	7388	7402	7416	7431
5348	7445	7459	7473	7487	7501	7515	7529	7543	7557	7571
5349	7585	7599	7613	7627	7642	7656	7670	7684	7698	7712
5350	7726	7741	7756	7771	7785	7800	7815	7830	7844	7859
5351	7874	7889	7903	7918	7933	7948	7962	7977	7992	8007
5352	8021	8036	8051	8066	8080	8095	8110	8125	8140	8154
5353	8169	8184	8199	8213	8228	8243	8258	8272	8287	8302
5354	8317	8331	8346	8361	8376	8390	8405	8420	8435	8449

Elev. in Feet	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.3	0.9
5355	8464	8479	8495	8510	8526	8541	8556	8572	8587	8602
5356	8618	8633	8648	8664	8679	8694	8710	8725	8741	8756
5357	8771	8787	8802	8817	8833	8848	8863	8879	8894	8910
5358	8925	8940	8956	8971	8986	9002	9017	9032	9048	9063
5359	9078	9094	9109	9125	9140	9155	9171	9186	9202	9217
5360	9232	9248	9264	9280	9296	9312	9328	9344	9360	9376
5361	9392	9408	9424	9440	9456	9472	9488	9504	9520	9536
5362	9551	9567	9583	9599	9615	9631	9647	9663	9679	9695
5363	9711	9727	9743	9759	9775	9791	9807	9823	9839	9855
5364	9871	9887	9903	9918	9934	9950	9966	9982	9998	10014
5365	10030	10046	10063	10079	10096	10112	10129	10146	10162	10179
5366	10195	10212	10228	10245	10261	10278	10294	10311	10327	10344
5367	10361	10377	10394	10410	10427	10443	10460	10476	10493	10509
5368	10526	10542	10559	10576	10592	10609	10625	10642	10658	10675
5369	10691	10708	10724	10741	10757	10774	10791	10807	10824	10840
5370	10857	10874	10891	10908	10926	10943	10960	10977	10994	11012
5371	11029	11046	11063	11081	11098	11115	11132	11150	11167	11184
5372	11201	11218	11236	11253	11270	11287	11305	11322	11339	11356
5373	11373	11391	11408	11425	11442	11460	11477	11494	11511	11529
5374	11546	11563	11580	11597	11615	11632	11649	11666	11684	11701
5375	11718	11736	11754	11772	11790	11808	11826	11844	11862	11880
5376	11898	11916	11934	11952	11970	11988	12006	12024	12042	12060
5377	12078	12096	12114	12132	12150	12168	12186	12204	12222	12240
5378	12258	12276	12294	12312	12330	12348	12366	12384	12402	12420
5379	12438	12456	12474	12492	12510	12528	12546	12564	12582	12600
5380	12618	12637	12657	12676	12695	12714	12734	12753	12772	12791
5381	12811	12830	12849	12868	12888	12907	12926	12945	12965	12984
5382	13003	13022	13042	13061	13080	13099	13119	13138	13157	13176
5383.1	13196									


Porcupine Reservoir Capacity Chart
Elev.
Volume
Ac. Ft.
Spill Elevation 5383.1
5380
5370
5360
5350
5340
5330
5320
5310
5300
13103
11283
9599
8051
6639
5363
4223
3219
2351
2012
2014
2015
2000
2003
1992
1977
2011
2008
2017
2009
2010
Apr. 15
Apr. 20
Apr. 25
Apr. 30
May 5
May 10
May 15
May 20
May 25
May 31
June 5
June 10
June 15
June 20
June 25
June 30
July 5
July 10
July 15
July 20
July 25
July 31
Aug. 5
Aug. 10
Aug. 15
Aug. 20
Aug. 25
Aug. 31
Sept. 5
Sept. 10
Sept. 15
Sept. 20
Sept. 25
Sept. 30
Oct. 5


PORCUPINE RESERVOIR
DISCHARGE CURVE
SPILLWAY ELEV. 5381.10
ELEV.
5380
5370
5360
5350
5340
5330
5320
5310
1997
1986
1984
1993
1995
1998
1996
1991
1994
1990
1989
1977
1987
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BARNETT INTERMOUNTAIN WATER CONSULTING

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Technical Memorandum

To: Will Atkin, P.E., Regional Engineer

From: BARNETT INTERMOUNTAIN WATER CONSULTING

Date: January 12, 2018

Re: Cache County Mitigation of Hidden Lake Well Pumpage - July 1 through December 31, 2017

On behalf of the Powder Mountain Water and Sewer Improvement District, and pursuant to the mitigation plan submitted on April 29, 2016 and approved on May 5, 2016, the following is the District's second semi-annual report for 2017 regarding Cache County mitigation for pumpage from the Hidden Lake Well. It covers the period from July 1 – December 31, 2017. The mitigation plan divides the year into four different periods or seasons. Except for periods when Cache water rights are being satisfied, the District is required to release 30% of the total pumped amount to Cache County; though the frequency of the release changes from one period to the next. Pursuant to the plan this report covers portions of the Late Irrigation Season, the Autumn Season and the beginning of the Winter Season.

Attached is a spreadsheet showing a detail of the total amount pumped from the Hidden Lake Well and the mitigation required. The District began this period with 166,322 gallons of surplus mitigation. During the period from July 1 through November 15 (the end of the Autumn Season) a total of 2,570,812 gallons were pumped from the Hidden Lake Well. This created a mitigation requirement of 771,244 gallons. During this same period the District released 657,500 gallons of mitigation water to the Cache Valley drainage. When the carryover, required mitigation and provided mitigation are summed, the District ended the Late Irrigation Season period with 52,579 gallons of surplus mitigation.

From November 15 through December 31, 2017, an additional 869,681 gallons were pumped from the well. Pursuant to the plan the District will continue to track water usage. It will coordinate with the Distribution Engineer and the River Commissioner as to when mitigation releases are to commence next spring/summer or until a permanent mitigation process is approved.

As can be seen, the released amount exceeds the mitigation requirements for the year. Should you have any questions regarding the mitigation or this report, please contact me.

attachment

Powder Mountain Water and Sewer Improvement District

Tabulation of Hidden Lake Well Pumpage and Associated Cache County Mitigation

Total Water Pumped from the Hidden Lake Well				Cache Valley Mitigation						
Date	Meter Reading (gallons)	Water Usage (gallons)	Comments	Mitigation Required (gallons)	Date	Initial Meter Reading (gallons)	Ending Meter Reading (gallons)	Mitigation Provided (gallons)	Surplus/Deficit (gallons)	Comments
									166,322	
Late Irrigation Season										
7/15/2017		150,502		45,151				0	121,172	
7/31/2017		87,085		26,126				0	95,046	
8/15/2017		383,348		115,004				0	-19,958	
8/31/2017		418,143		125,443				0	-145,401	
9/15/2017		125,322		37,597				0	-182,998	
9/30/2017		19		6	10/15/2017	8,935,800	9,261,800	326,000	142,997	
Autumn										
10/15/2017		499,981		149,994				0	-6,998	
10/31/2017		215,327		64,598				0	-71,596	
11/15/2017		691,085		207,326	11/11/2017			331,500	52,579	
Winter										
11/30/2017		219,337		65,801	11/11/2017			0	-13,222	
12/31/2017		650,344		195,103	11/11/2017			0	-142,525	